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NATURAL HERITAGE PROGRAM LIST OF THE RARE PLANT SPECIES OF NORTH CAROLINA

Compiled By
Alan S. Weakley,
Botanist

North Carolina Natural Heritage Program
Division of Parks and Recreation
N.C. Department of Environment, Health, and Natural Resources 1991

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Edition of 18 June 1991

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North Carolina has an exceptionally rich and diverse flora, consisting of about 5,500 species of gymnosperms, dicots, monocots, ferns, fern allies, mosses, liverworts, hornworts, and lichens. North Carolina's flora includes boreal plants, more typical of Canada, on the high peaks of the Southern Appalachians, subtropical plants (including palms) in the maritime climate of the barrier islands, tropical ferns, mosses, and liverworts around waterfalls in humid mountain gorges, as well as more typical and characteristic species of the Southeastern North American coastal plain, piedmont, and Southern Appalachian Mountains. In addition to those mentioned above, some of the more notable habitats of rare or endemic plants in North Carolina include longleaf pine savannas, mountain bogs and fens, sandhills, piedmont glades and prairie remnants, mountain cove forests, coastal plain limesinks, granite flatrocks, and pocosins. The diverse native flora of North Carolina is a rich part of our natural heritage, worthy of protection for environmental, scientific, economic, aesthetic, and moral reasons.

The North Carolina Natural Heritage Program, as part of its mission to preserve the biological diversity of North Carolina, maintains a systematic inventory of all known locations of rare species. The following list of rare plant species, monitored by the N.C. Natural Heritage Program, includes 655 species. All plant species native to North Carolina which are officially recognized by federal or state agencies as protected or otherwise rare are included on this list. This list incorporates the most recent federal status of rare plants, as determined by the U.S. Fish and Wildlife Service and published in the Federal Register on 21 February 1990 (with later amendments current to April 1991). The Natural Heritage Program List of the Rare Plants of North Carolina also includes North Carolina legal status information from the most recent version of the List of North Carolina's Endangered, Threatened and Candidate Plant Species, published in February 1990 by the N.C. Plant Conservation Program, which includes discussion of and information on the legal status of Endangered (E), Threatened (T), Candidate (C), and Special Concern (SC) species. The North Carolina Plant Watch List includes an additional 442 species, which appear to be rare enough to be of conservation concern in North Carolina, but which are not currently inventoried by the N.C. Natural Heritage Program, and are not legally protected

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This list is dynamic, being revised frequently as further data become available. It will be revised at least once a year. If you are using a copy of this list which is more than a year old (check the edition date at the top of the first page), it is invalid and you should request a new version. Further information on these species may be obtained by contacting the North Carolina Natural Heritage Program, Department of Environment, Health and Natural Resources, P.O. Box 27687, Raleigh, NC 27611-7687 or the North Carolina Plant Conservation Program, Department of Agriculture, P.O. Box 27647, Raleigh, NC 27611-7647.

or active candidates for legal protection by the U.S. Fish and Wildlife Service or North Carolina Plant Conservation Program. The Watch List begins on page 38.

The North Carolina Natural Heritage Program takes the lead role in North Carolina in the inventory of the state's natural diversity, the identification of important natural areas and rare species habitats, and the protection and management of natural areas. It serves as the state's data bank of locality information of natural areas and rare and endangered plant and animal species. It conducts environmental reviews of projects involving state or federal permits or monies, to minimize negative impacts on North Carolina's natural areas and rare species. Many species which lack formal, legal protection are nonetheless imperiled in North Carolina. Therefore, the Natural Heritage Program collects data on species in addition to the three categories of protected plants (Endangered, Threatened, and Special Concern). These additional rare species are placed in three other categories of rare plants: Candidate (C), Significantly Rare (SR) and Watch List (W). Definitions of all status categories are listed below, under "North Carolina Status."

The North Carolina Plant Conservation Program, a unit of the Department of Agriculture, is the agency responsible for the listing and protection of North Carolina's endangered and threatened plants, under provisions of the North Carolina Plant Protection and Conservation Act of 1979 (General Statutes 19b 106: 202.12-22), as amended. The Plant Conservation Program acts under the direction of a Plant Conservation Board and with the advice of a Scientific Committee to maintain and revise the state lists of protected (Endangered, Threatened, and Special Concern) plant species, to investigate protection needs and survival requirements of native plants, to carry out conservation programs, to make and enforce regulations, and to issue permits concerning protected plants. The 110 plant species currently listed as Endangered and Threatened in North Carolina and 271 species that are candidates for listing are published in the List of North Carolina's Endangered, Threatened and Candidate Plant Species: February 1990 (with amendments), available from the Plant Conservation Program (address at bottom of Page 1). That publication also lists North Carolina's Special Concern species and explains regulations and permits regarding protected plants. In general, removal of Endangered or Threatened plants from the wild and their sale or distribution is illegal. Particular regulations concerning collection, propagation, and sale apply to those species (Endangered, Threatened, or otherwise) listed as Special Concern.

Federally listed species are protected by the Endangered Species Act of 1973, as amended. The U.S. Department of the Interior, Fish and Wildlife Service is the federal agency responsible for listing and protecting nationally endangered and threatened species. As of April 1991, there are 20 plant species federally listed as Endangered or Threatened which occur in North Carolina, and one additional species which have been formally proposed for listing. These species are distributed throughout the state, in about half of North Carolina's hundred counties. In addition, about 100 species are active candidates for listing.

These three agencies work cooperatively to ensure the continued survival of all of North Carolina's rich flora.

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and hornwort lists, and Karin Heiman and Sherry Pittam for assistance with the lichen list, and Rob Sutter and Cecil Frost with the vascular plant list. The list of people who have assisted in the preparation of the vascular plant list, provided information to the Natural Heritage Program on rare species occurrences, or otherwise contributed to our understanding of the rare flora of the state are too many to mention, but a partial list of recent contributors is: Lewis Anderson, Fred Annand, Janis Antonovics, Andy Ash, Mike Baranski, Joyce Bland, Marj Boyer, Allen Boynton, Margit Bucher, Jay Carter, Steve Croy, Bill Culberson, Chicita Culberson, Bob Currie, Barry Dalton, Paul Davison, Bob Dellinger, Kathy Doyle, Murray Evans, Elisabeth Feil, Vonda Frantz, Cecil Frost, Chris Frye, John Fussell, Chick Gaddy, Rob Gardner, Tom Govus, Sharon Gowan, Steve Hall, John Hammond, Jim Hardin, Ed Harrison, Karin Heiman, Carol Henry, Dennis Herman, Marie Hicks, Frank Hirst, Erich Hoffman, Hal Horwitz, Paul Hosier, Fred Huber, Charlotte Jones-Roe, Catherine Keever, Ann Kelly, Benson Kirkman, Bob Kral, Steve Kroger, Michael Lane, Keith Langdon, Richard LeBlond, Harry LeGrand, Steve Leonard, Frosty Levy, Chris Ludwig, Merrill Lynch, Laura Mansberg, Jim Massey, Jim Matthews, Carol Mayes, Don McLeod, Brent Mishler, Laura Mitchell, Julie Moore, Carol Ann Moorhead, Craig Moretz, Bill Moyes, Nora Murdock, John Nelson, Carl Nordman, Doug Ogle, Tom Patrick, Bob Peet, Ruby Pharr, Mark Pistrang, Dan Pittillo, Bert Pittman, Milo Pyne, Al Radford, Frank Randall, Doug Rayner, Pam Robinson, Janet Rock, Chuck Roe, Dawson Sather, Mike Schafale, Ed Schell, Rick Schneider, Janet Shipley, Dave Sieren, Ellen Simms, Alan Smith, Arthur Smith, David Snyder, Paul Somers, Bruce Sorrie, Rob Sutter, Ed Swab, John Taggart, Annette Taylor, Diane Tolman, Kent Turner, Tom Wentworth, Peter White, Ali Wieboldt, Tom Wieboldt, Bob Wilbur, Susan Wiser, Gene Wofford, and Donna Wright. I ask forgiveness from any contributors inadvertently omitted.

LIST FORMAT. Species are grouped into four groups: Vascular Plants, Mosses, Liverworts and Hornworts, and Lichens, and listed alphabetically by scientific name within each group. The following information is presented for each species on the list.

Scientific Name. Taxonomy and nomenclature of vascular plants (dicots, monocots, gymnosperms, ferns, and fern allies) generally follow A.S. Weakley, L.E. Anderson, M.L. Hicks, and J.T. Kartesz's Checklist of the Vascular Flora and Bryophytes of North Carolina (in prep.) and J.A. Kartesz's Synonymized Checklist of the Vascular Flora of the United States (1991). Scientific authorities for names have been omitted to save space, but follow Weakley et al. (in prep.) and Kartesz (1991). Where this differs from the treatment in A.E. Radford, H.E. Ahles, and C.R. Bell's Manual of the Vascular Flora of the Carolinas (1968), the name used in that work is indicated in parentheses. In a small number of cases, other commonly used synonymy is also indicated. If the species was not treated in Radford, Ahles, and Bell and cannot be identified using that manual, the notation "(not in RAB)" follows the scientific name. If the species is treated in Radford, Ahles, and Bell, but was not indicated as occurring in North Carolina, the notation "(not in NC in RAB)" follows the scientific name. Taxonomy and nomenclature of nonvascular plants (mosses, liverworts, hornworts, and lichens) generally follow L.E. Anderson, H.A. Crum, and W.R. Buck's List of the Mosses of North America North of Mexico (Bryologist 93: 448-499 [1990]), L.E. Anderson's A Checklist of Sphagnum in North America North of Mexico (Bryologist 93: 500-501 [1990]), H.A. Crum and L.E. Anderson's Mosses of Eastern North America (1981), R. Schuster's The Hepaticae and

Anthocerotae of North America east of the Hundredth Meridian (1966, 1969, 1974, 1980, and in press), M.L. Hicks's Liverworts of the Mountains of North Carolina (1982), M.L. Hicks's Liverworts and Hornworts of North Carolina (in prep.), M.L. Hicks and P.G. Davison's Some Rare, Endemic, and Disjunct Liverworts in North Carolina (Castanea 54: 255-261 [1989], R.S. Egan's A Fifth Checklist of the Lichen-forming, Lichenicolous and Allied Fungi of the Continental United States and Canada (Bryologist 90: 77-173 [1987]), and M.E. Hale's How to Know the Lichens, Second Edition (1979).

Common Name. A common name is provided for the convenience of the user. Common names for plants are not standardized, and many plants have no entirely satisfactory common name.

North Carolina Status. Endangered, Threatened, and Special Concern species have legally protected status in North Carolina (Plant Conservation Program). The Natural Heritage Program maintains computer and map files on Endangered, Threatened, Candidate, and Significantly Rare species; paper files are maintained on Watch List species.

E - Endangered. Any species of plant whose continued existence as a viable component of the state's flora is in jeopardy. Endangered species may not be removed from the wild except when a permit is obtained for research, propagation, or rescue which will enhance the survival of the species. Sale or distribution of wild-collected Endangered species is not permitted. Seventy-seven (77) species are so listed (1.5 percent of the native flora).

T - Threatened. Any species of plant likely to become an endangered species within the foreseeable future. Regulations are the same as for Endangered species. Thirty-three (33) species are so listed (0.7 percent of the native flora).

SC - Special Concern. Any species of plant which requires population monitoring, but which may be collected and sold under specific regulations. Special Concern species which are not also listed as Endangered or Threatened may be collected from the wild and sold under specific regulations. Propagated material only of Special Concern species which are also listed as Endangered or Threatened may be traded or sold under specific regulations. Nineteen (19) species are so listed (0.4 percent of the native flora).

C - Candidate. Any species for which there is not evidence of declining numbers or threats to the species in North Carolina, but which, because of small numbers of populations, rare habitat, or distribution, may become threatened in the future; or a species suspected of being endangered or threatened, but for which sufficient information is not currently available to support such a status classification. This category was formerly known as Primary Proposed (PP). Two hundred and seventy-one (271) species are so listed (5.4 percent of the native flora).

SR - Significantly Rare. Any other species which has not been determined to be an Endangered, Threatened, Special Concern, or Candidate species, but which has been determined to need monitoring. For most species in this category, actual biological status has not been determined, either because taxonomic validity is unresolved, or because the species is frequently overlooked in the field and could be more common than present data indicate, or because it is a peripheral species common in an adjacent state. Two hundred and seventy-four (274) species have been so listed (5.5 percent of the native flora).

W - Watch List. Any other species believed to be rare and of conservation concern in the state but with inadequate information to assess its rarity (see

page 38 for a more complete discussion). Four hundred and forty-two (442) plants have been so listed (8.8 percent of the native flora).

P_ - Proposed. This prefix indicates a species which has been formally proposed for listing as Endangered, Threatened, or Special Concern, but has not yet completed the legally mandated listing process.

United States Status (as designated by the U.S. Fish and Wildlife Service)

E - Endangered. A taxon that is threatened with extinction throughout all or a significant portion of its range.

T - Threatened. A taxon that is likely to become endangered in the foreseeable future.

C1 - Candidate 1. A taxon for which the Fish and Wildlife Service has on file enough substantial information to list as endangered or threatened. Listing is "warranted but precluded by other pending proposals of higher priority." The Fish and Wildlife Service is "directed to make prompt use of the emergency listing provisions if the wellbeing of any such species is at significant risk."

C2 - Candidate 2. A taxon for which there is some evidence of vulnerability, but for which there are not enough data to support listing as endangered or threatened at this time. Listing is "warranted but precluded by other pending proposals of higher priority." The Fish and Wildlife Service is "directed to make prompt use of the emergency listing provisions if the wellbeing of any such species is at significant risk."

3A - Candidate 3A. A taxon for which the Fish and Wildlife Service has persuasive evidence of extinction.

3B - Candidate 3B. A name that, on the basis of current taxonomic understanding, does not represent a distinct taxon.

3C - Candidate 3C. A taxon that has proven to be more abundant or widespread than previously believed and/or those that are not subject to any identifiable threat. They may be reevaluated for possible inclusion in categories 1 or 2.

P_ - Proposed. Species currently proposed, as either endangered and threatened. Species formally proposed receive some legal protection.

_* - Possibly Extinct.

North Carolina Rank. North Carolina ranks are based on The Nature Conservancy's system of measuring rarity and threat status. This system is now widely used by other agencies and organizations, as the best available scientific and objective assessment of a species' rarity at the state level.

S1 = Critically imperiled in North Carolina because of extreme rarity (5 or fewer occurrences or very few remaining individuals) or because of some factor(s) making it especially vulnerable to extirpation from North Carolina.

S2 = Imperiled in North Carolina because of rarity (6 to 20 occurrences or few remaining individuals) or because of some factor(s) making it very vulnerable to extirpation from North Carolina.

S3 = Rare or uncommon in North Carolina (on the order of 21 to 100 occurrences).

S4 = Apparently secure in North Carolina, with many occurrences.

S5 = Demonstrably secure in North Carolina and essentially ineradicable under present conditions.

SA = Accidental in state.

SH = Of historical occurrence in North Carolina, perhaps not having been verified in the past 20 years, and suspected to be still extant.

SR = Reported from North Carolina, but without persuasive documentation

which would provide a basis for either accepting or rejecting the report.

SX = Apparently extirpated from North Carolina.

SU = Possibly in peril in North Carolina but status uncertain; need more information.

S? = Unranked, or rank uncertain.

A ranking involving two numbers indicates a greater uncertainty or range of ranking. For instance, a S2S3 rank indicates that the species may be a S2 or a S3, but that existing data do not allow that determination to be made.

Global Rank. Similar to North Carolina ranks, global ranks are assigned by a consensus of scientific experts, the various natural heritage programs, and The Nature Conservancy. They apply to the status of a species throughout its range, and are based on data on the species' status rangewide. This system is now widely used by other agencies and organizations, as the best available scientific and objective assessment of a species' rarity throughout its range.

G1 = Critically inperiled globally because of extreme rarity (5 or fewer occurrences or very few remaining individuals) or because of some factor(s) making it especially vulnerable to extinction.

G2 = Imperiled globally because of rarity (6 to 20 occurrences or few remaining individuals) or because of some factor(s) making it very vulnerable to extinction throughout its range.

G3 = Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range (e.g., a single physiographic region) or because of other factors making it vulnerable to extinction throughout its range; in terms of occurrences, in the range of 21 to 100.

G4 = Apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery.

G5 = Demonstrably secure globally, though it may be quite rare in parts of its range, especially at the periphery.

GH = Of historical occurrence throughout its range, i.e., formerly part of the established biota, with the expectation that it may be rediscovered.

GX = Believed to be extinct throughout its range (e.g., Passenger Pigeon) with virtually no likelihood that it will be rediscovered.

GU = Possibly in peril range-wide, but status uncertain; need more information.

G? = Unranked, or rank uncertain.

G_Q = Questionable taxonomic assignment.

T_ = The rank of a subspecies or variety. As an example, G4T1 would apply to a subspecies of a species with an overall rank of G4, but the subspecies warranting a rank of G1.

A ranking involving two numbers indicates a greater uncertainty or range of ranking. For instance, a G2G3 rank indicates that the species may be a G2 or a G3, but that existing data do not allow that determination to be made.

Physiographic Province. The provinces in which the plant is known to occur are indicated. This should not be regarded as the only province(s) of the state in which the species could occur; our knowledge of the flora of North Carolina is still very imperfect. The provinces are abbreviated as follows:

M = Mountains (Blue Ridge). All parts of North Carolina west of the foot of the Blue Ridge Escarpment.

P = Piedmont. All parts of North Carolina east of the foot of the Blue Ridge Escarpment and west of the Fall Line, including outlying "foothill" ranges, such as the Brushy, Uwharrie, and Sauratown Mountains. This province is

shallowly underlain by crystalline metamorphic, igneous, or (rarely) consolidated sedimentary rocks.

S = Sandhills. Portions of Cumberland, Harnett, Hoke, Lee, Moore, Richmond, Scotland counties consisting mostly of deep aeolian sands of the Middendorf and Pinehurst formations (Cretaceous to Tertiary age). The Sandhills are really part of the coastal plain but are here distinguished because of their distinctive geomorphology and vegetation. Areas somewhat resembling the Sandhills region but occurring in other parts of the state (such as Carolina bay rims and aeolian or beach ridge deposits in the outer Coastal Plain) are considered part of the coastal plain province.

C = Coastal Plain. All parts of North Carolina east of the fall line, excluding the Sandhills, generally over unconsolidated sands, silts, clays, and peats, though rarely shallowly underlain by consolidated coquina limestone ("marl").

Habitat. The known habitats are described; as with provinces, these should not be regarded as the only possible habitats of the species in the state.

Counties of known occurrence. Following the description of habitats is a listing of the known counties of occurrence. Counties with populations documented as extant in the last ten years (1981-1991) are marked with an asterisk (*). If there is some question as to the validity of the county report, it is marked with a question mark (?). The botanical exploration of North Carolina is far from complete, and many additional county records will be found, generally (but not always) in proximity to counties listed.

Scientific Name Province: Habitat	Common Name	N.C. Status	U.S. Status	N.C. Rank	Global Rank
VASCULAR PLANTS					
Abies fraseri	Fraser Fir	W	C2	S2	G2G3
M: spruce-fir forests (Avery*, Buncombe*, Caldwell*, Clay, Jackson*, Mitchell*, Swain*, Transylvania*, Watauga*, Yancey*)					
Aconitum reclinatum	Trailing Wolfsbane	C		S2	G3
M: rich coves, seepage slopes, boulderfields, rocky stream banks, mainly associated with mafic rocks (Ashe*, Avery*, Buncombe*, Caldwell, Macon*, Transylvania*, Watauga*, Yancey*)					
Adiantum capillus-veneris	Venus Hair Fern	C		S1	G5
C: coquina limestone (marl) outcrops (also adventitious om mortar of old stone walls in Wilmington, New Hanover County) (Columbus*)					
Adlumia fungosa	Climbing Fumitory	SR		S1	G4
M: coves and cliffs (Alleghany, Buncombe*, Haywood, Henderson, Jackson, Macon, Madison*, Yancey*)					
Aeschynomene virginica	Virginia Jointvetch	E	C2	S1	G2
C: tidal marshes and wet ditches (Beaufort*, Craven, Hyde*)					
Agalinis aphylla	Scale-leaf Gerardia	C		S2	G3G4
C: wet savannas (Brunswick*, Carteret*, Columbus*, Craven*, Duplin, Jones, New Hanover, Onslow*, Pender*)					
Agalinis decemloba	Piedmont Gerardia	SR		S2	G3G4
PM: dry, open sites (Buncombe, Burke, Durham*, Forsyth, Granville*, Guilford, Henderson, Transylvania, Wake*)					
Agalinis linifolia	Flaxleaf Gerardia	SR		S2	G3G4
C: savannas and other wet, open habitats (Brunswick*, Carteret, Columbus, Cumberland, Dare, New Hanover*, Onslow*, Pender*, Robeson*, Scotland)					
Agalinis virgata	Branched Gerardia	C		S2	G3G4
C: savannas (Brunswick, Carteret*, Craven*, Duplin, New Hanover*, Onslow*, Pender)					
Agropyron (see Elymus)					
Agrostis mertensii (= Agrostis borealis)	Arctic Bentgrass	C		S1	G5
M: high elevation rocky summits and balds (Avery*, Mitchell, Yancey*)					
Allium burdickii (not in RAB)	Narrow-leaved Wild Leek	SR		S1S2	G?
M: cove forests (Buncombe?, Transylvania?)					
Allium cuthbertii	Striped Garlic	C		S1	G3G4
PM: low elevation granitic domes and other rocky sites with circumneutral soils (Alexander*, Madison, Wilkes)					
Allium sp. 1 (not in RAB)	Savanna Onion	C		S1	G?
C: wet savannas (Brunswick*, Onslow*, Pender*)					
Alnus viridis ssp. crispa (= Alnus crispa)	Green Alder	C		S1	G5T3T4
M: balds (Avery*, Mitchell*)					
Amaranthus pumilus	Seabeach Amaranth	T	C2	S2	G2
C: ocean beaches and island-end flats (Brunswick*, Carteret*, Currituck, Dare*, Hyde*, New Hanover*, Onslow*, Pender*)					
Amelanchier sanguinea	Roundleaf Serviceberry	SR		S1	G5
M: thin soils around mafic rock outcrops at lower and middle elevations (Buncombe, Rutherford*)					
Amorpha georgiana var. confusa (not in RAB)	Savanna Indigo-bush	C	C2	S1	G2T1
C: wet savannas (Bladen, Brunswick*, Columbus, New Hanover)					
Amorpha georgiana var. georgiana	Georgia Indigo-bush	C	C2	S1	G2T2
CS: moist sandhill areas and sandy terraces (Cumberland, Harnett, Lenoir, Moore*,					

Richmond, Robeson)

Amorpha schwerinii	Piedmont Indigo-bush	C		S2	G2G3
P: dry forests (Catawba, Cleveland, Davidson, Iredell, Montgomery*, Randolph*, Rowan, Stanly)					
Amphicarpum muhlenbergianum	Florida Goober Grass	C		S1	G?
C: clay-based Carolina bays (Hoke*)					
Amphicarpum purshii	Pinebarrens Goober Grass	SR		S3	G3?
C: pine savannas, pocosins, shallow peat burns in pocosin/savanna ecotones (Beaufort, Brunswick*, Carteret*, Columbus, Duplin, Martin, Onslow*, Pender, Pitt, Robeson, Wilson)					
Andropogon mohrii	Bog Bluestem	C		S1	G3G5
C: wet savannas (Brunswick*, Pender, Robeson, Washington)					
Anemone berlandieri (= A. caroliniana)	Southern Thimbleweed	C		S1	G3G4
P: thin soils around rock outcrops (Alexander*, Anson, Mecklenburg, Orange*, Polk, Rowan*, Stanly*)					
Arabis glabra	Tower Mustard	SR		S1?	G5
M: mountain forests (Avery, Madison, Watauga)					
Arabis hirsuta var. adpressipilis (not in RAB)	Hairy Rockcress	C		S1	G5T3T4
PM: thin soils around basic rock outcrops (Alexander*, Buncombe*)					
Arabis missouriensis (= A. laevigata var. missouriensis)	Missouri Rockcress	C		S1	G4G5
P: thin soils around basic rock outcrops (Stanly*)					
Arabis patens	Spreading Rockcress	C		S1	G3G4
M: thin soils around limestone (Madison*, Swain)					
Arenaria (see Minuartia)					
Arethusa bulbosa	Dragon's-mouth, Bog Rose	E		S1	G4
MP: bogs (Alleghany*, Ashe, Avery*, Forsyth, Henderson, Transylvania*)					
Arisaema triphyllum ssp. stewardsonii (not in RAB)	Bog Jack-in-the-Pulpit	SR		S1	G5T3
M: bogs (Avery, Henderson, Transylvania, Watauga*)					
Aristida palustris (= A. affinis)	Longleaf Three-awn	SR		S2	G4
C: margins of limesink ponds, wet savannas (Brunswick, Carteret*, Columbus*, New Hanover*, Onslow*, Scotland*)					
Arnoglossum ovatum (= Cacalia ovata, C. lanceolata)	Savanna Indian-plantain	SR		S1	G4G5
C: wet savannas (Bladen, Brunswick*, Columbus, Onslow, Pender*)					
Asclepias pedicellata	Savanna Milkweed	C		S1	G3G4
C: dry savannas (Bladen, Brunswick*, Carteret*, New Hanover*, Onslow*, Pender)					
Asclepias tomentosa	Sandhills Milkweed	SR		S2S3	G3G4
SC: sandhills (Bladen, Cumberland*, Harnett*, Hoke*, Lee, Moore*, Richmond*, Scotland)					
Asplenium bradleyi	Bradley's Spleenwort	C		S1	G4
PM: acidic rock outcrops and cliffs (Burke, Cleveland, Gaston*, McDowell*, Orange*, Stokes*)					
Asplenium heteroresiliens	Carolina Spleenwort	E	C2	S1	G2
C: coquina limestone (marl) outcrops (Bladen*, Craven*, Jones*, New Hanover, Onslow*)					
Asplenium monanthes	Single-Sorus Spleenwort	E		S1	G4?
M: outcrops near waterfalls in escarpment gorges (Transylvania*)					
Asplenium ruta-muraria	Wall-Rue	SR		S1	G5
M: limestone outcrops (Madison*, McDowell*)					
Aster avitus (not in RAB)	Alexander's Rock Aster	C	C1	S1	G1
M: thin soil around granitic outcrops (Transylvania)					
Aster carolinianus	Climbing Aster	SR		SH	G5
C: wet sites (Bladen)					
Aster depauperatus (not in RAB)	Serpentine Aster	E	C2	S1	G2Q
P: diabase glades (Granville*)					

Aster georgianus (not in RAB)	Georgia Aster	C	C2	S1	G2G3
P: open woods and roadsides (Mecklenburg*, Montgomery, Rowan*, Stanly, Union*)					
Aster laevis var. concinnus	Smooth Blue Aster	C		S2	G5T3
P: forests, woodland borders especially over mafic rocks (Alamance, Alexander, Durham, Granville*, Iredell, Orange, Stanly, Union*, Wake)					
Aster mirabilis (= A. commixtus)	Piedmont Aster	C		S2?	G2?
PM: rich slopes and bottomlands (Anson, Macon, Richmond, Stanly, Union*)					
Aster oblongifolius	Aromatic Aster	SR		S1	G5
M: thin soils around limestone outcrops (Madison)					
Aster shortii (not in RAB)	Short's Aster	SR		S1	G4G5
M: bluffs and rocky banks (Burke, Transylvania)					
Astilbe crenatiloba (not in RAB)	Roan False Goat's Beard	C	C2	SH	GHQ
M: cove forests (Mitchell)					
Astragalus michauxii	Sandhills Milkvetch	C	C2	S2	G3
SC: sandhills (Bladen, Cumberland, Harnett*, Hoke*, Moore, New Hanover, Richmond, Robeson, Scotland*)					
Baccharis glomeruliflora	Silverling	C		S1	G4
C: shrubby areas on margins of brackish marshes (Brunswick, Columbus)					
Bacopa innominata (= B. cyclophylla)	A Water-Hyssop	SR		SH	G5
C: tidal freshwater marshes (Chowan, New Hanover, Pender)					
Balduina atropurpurea (not in NC in RAB)	Honeycomb Head	C		S1	G2G3
C: savannas (Brunswick)					
Baptisia alba (= B. pendula in RAB)	Thick-pod White Wild Indigo	SR		S2	G?
PCS: open woodlands, clearings (Cabarrus, Johnston, Lenoir, Randolph, Rowan, Stanly, Union*)					
Baptisia albescens (= B. alba in RAB)	Thin-pod White Wild Indigo	SR		S2	G4
PS: open woodlands, clearings (Anson, Burke, Chatham, Cleveland, Iredell, McDowell, Mecklenburg, Moore, Person, Polk, Richmond, Rowan, Rutherford*, Stanly, Stokes, Union)					
Baptisia australis var. minor	Prairie Blue Wild Indigo	C		S2	G5?T5?
P: glades and open forests on basic soils (Cabarrus, Caswell, Durham*, Granville*, Orange, Person, Stanly, Transylvania)					
Baptisia bracteata var. bracteata	Creamy Wild Indigo	C		SH	G?T?
P: open woodlands (McDowell)					
Berberis canadensis	American Barberry	SR		S2	G3G4
P: open forests and glades on basic soils (Alamance, Alexander, Buncombe, Durham*, Granville*, Guilford, Haywood, Iredell, Madison, Orange, Person, Randolph, Rockingham*, Transylvania)					
Betula papyrifera var. cordifolia	Mountain Paper Birch	C		S2	G5T5
M: high elevation forests and landslide scars (Yancey*)					
Bidens coronata	Crowned Beggarticks	SR		S1	G5
C: brackish marshes (Beaufort, Chowan, Craven, Tyrrell)					
Bonamia (see Stylisma)					
Botrychium jenmanii (= B. alabamense)	Alabama Grape Fern	SR		S1	G3G4
MP: moist woods (Buncombe, Cherokee, Clay, Iredell, Jackson, Mecklenburg, Rockingham, Stokes, Transylvania)					
Botrychium lanceolatum var. angustisegmentum (not in RAB)	Lance-leaf Moonwort	SR		S1	G4T3T4
M: cove forests (Burke*, Macon)					
Botrychium matricariifolium (not in RAB)	Daisy-leaf Moonwort	SR		S1	G5
M: cove forests (Avery*, Burke*, Swain)					
Botrychium multifidum (not in RAB)	Leathery Grape Fern	C		S1	G5
M: grassy balds (Avery, Mitchell)					
Botrychium oneidense	Blunt-lobed Grape Fern	C		S1	G3?
MP: cove forests, bogs (Avery, Buncombe, Burke*, Forsyth, Haywood, Jackson, Yancey)					

Botrychium simplex (not in RAB)	Least Moonwort	C		S1	G5
M: open, grassy sites (Haywood*, Jackson*)					
Bromus ciliatus	Fringed Brome	SR		S1	G5
M: high elevation moist woods and seeps (Ashe*, Mitchell)					
Buchnera americana (not including B. floridana)	American Bluehearts	C		SH	G3?
MPS: glades, open forests, streambanks, probably primarily over mafic or calcareous rocks (Buncombe, Cumberland, Durham, Forsyth, Henderson, Jackson, Johnston, Orange, Polk, Swain, Wake)					
Buckleya distichophylla	Piratebush	E	C2	S2	G2
M: bluffs, dry slopes, forests on lower slopes (Buncombe*, Haywood*, Macon*, Madison*, Swain)					
Bulbostylis warei	Ware's Hairsedge	SR		SH	G3G4
C: open sites (Brunswick)					
Bumelia (see Sideroxylon)					
Cacalia (see Arnoglossum, Rugelia, Synosma)					
Calamagrostis cainii (not in RAB)	Cain's Reedgrass	E	C2	S1	G1
M: high elevation rocky summits (Buncombe*, Yancey*)					
Calamagrostis canadensis	Canada Reedgrass	SR		S1	G5
M: high elevation openings (Alleghany, Ashe, Avery*, Haywood, Mitchell, Rutherford*, Watauga)					
Calamagrostis porteri (not in RAB)	Porter's Reedgrass	SR		S1	G4
M: middle elevation ridgetop forests (Clay*, Surry*, Rutherford*, Transylvania*)					
Calamovilfa brevipilis	Pinebarren Sandreed	E	3C	S2	G3
CS: savannas, sandhill seeps (Brunswick, Carteret*, Craven*, Cumberland*, Duplin, Harnett, Hoke*, Johnston, Moore, Nash, Onslow*, Pender*, Pitt, Sampson, Scotland)					
Caltha palustris	Marsh Marigold	SR		S1	G5
M: boggy sites (Ashe, Avery, Buncombe, Madison, Watauga*, Yancey)					
Calystegia catesbiana ssp. sericata (= C. sericata)	Blue Ridge Bindweed	C		S2	G3T2T3
M: open, sunny sites (Clay*, Jackson*, Macon, Polk*, Transylvania*)					
Camassia scilloides (not in NC in RAB)	Wild Hyacinth	T		S1	G4G5
CP: rich levees, slopes, and bottomlands (Northampton*, Vance*)					
Campanula aparinoides	Marsh Bellflower	SR		S1	G5
M: bogs and other wet, open sites (Alleghany*, Ashe*, Avery*, Burke*, Clay, Haywood, Henderson*, Jackson*, Mitchell, Transylvania, Wilkes, Yancey*)					
Cardamine clematitis (not including C. flagellifera)	Mountain Bittercress	C	C2	S2?	G2
M: high elevation seeps, shaded outcrops, and streambanks (Avery*, Graham*, Mitchell*, Swain, Watauga, Yancey)					
Cardamine dissecta (= Cardamine angustata var. multifida)	Dissected Toothwort	SR		S1	G?
PM: rich woods, cove forests, bottomlands (Anson, Guilford, Mecklenburg, Montgomery, Randolph*, Rowan, Rutherford?)					
Cardamine douglassii	Douglass's Bittercress	SR		S2	G5
P: bottomlands, rich lower slopes (Durham*, Granville*, Harnett, Northampton*, Orange, Wake*)					
Cardamine longii (not in RAB)	Long's Bittercress	SR	3C	S1	G3G4
C: tidal marshes and tidal cypress-gum forests (Jones, Pender)					
Cardamine micranthera	Small-Anthered Bittercress	E	E	S1	G1
P: seeps and streamside sandbars (Forsyth, Stokes*)					
Cardamine rotundifolia	Mountain Watercress	C		SH	G4
M: seeps, banks of mountain brooks (Ashe, Mitchell, Watauga)					
Carduus (see Cirsium)					
Carex aenea	Bronze Sedge	E		S1	G5
M: grassy balds (Avery*, Mitchell*)					
Carex argyrantha	Hay Sedge	SR		S1	G5

M: wet meadows (Ashe)

Carex barrattii	Barratt's Sedge	E	3C	SH	G3
MS: bogs, open wet areas (Harnett, Henderson)					
Carex biltmoreana	Biltmore Sedge	C	3C	S3	G3
M: granitic domes and other cliffs and outcrops (Buncombe*, Haywood, Jackson*, Macon*, Polk*, Rutherford*, Transylvania*)					
Carex bushii	Bush's Sedge	SR		S1	G4
PM: open wet areas (Ashe, Durham, Granville, Johnston, Nash, Orange, Rowan)					
Carex buxbaumii	Brown Bog Sedge	C		S1	G5
MP: bogs and fens (Alleghany, Ashe*, Forsyth, Watauga*, Yancey*)					
Carex canescens ssp. disjuncta	Silvery Sedge	C		S1	G5T4?
CS: open wet areas (Scotland*, Tyrrell*)					
Carex chapmanii	Chapman's Sedge	T	C2	S2	G2G3
C: moist bottomlands and slopes, perhaps associated with marl (Bladen, Brunswick, Carteret*, Craven*, Jones*, New Hanover, Onslow*, Pender*)					
Carex cherokeensis	Cherokee Sedge	SR		SH	G4G5
MP: floodplains (Cherokee, Polk)					
Carex collinsii	Collins's Sedge	C		S2	G4
SM: white cedar swamps, bogs (Cumberland*, Harnett, Henderson*, Hoke*, Lee*, Moore, Richmond*)					
Carex conoidea	Cone-shaped Sedge	T		S1	G4
M: bogs (Ashe*, Iredell)					
Carex cristatella	Small Crested Sedge	SR		SH	G5
M: grassy balds, bogs (Jackson, Swain)					
Carex crus-corvi	Crowfoot Sedge	SR		S1	G5
C: swamp forests (Columbus, Edgecombe, Martin, Pitt)					
Carex decomposita	Cypress Knee Sedge	SR	3C	SH	G3G4
C: blackwater swamp forests (New Hanover, Warren)					
Carex eburnea	Bristle-leaf Sedge	SR		S1	G5
M: calcareous outcrops (Madison*)					
Carex exilis	Coastal Sedge	C		SX	G5
S: seepage bogs (Moore)					
Carex impressinervia (not in RAB)	Ravine Sedge	C	C2	S1	G2?
P: wet forests (Montgomery)					
Carex leptonervia	A Wood Sedge	C		S1	G4
M: rich cove forests and seepage slopes (Avery, Buncombe, Clay, Haywood, Madison, Swain)					
Carex manhartii (not in RAB)	Manhart's Sedge	E	C2	S2	G2G3
M: rich cove forests (Ashe, Avery*, Clay, Haywood, Macon*, Swain*, Transylvania)					
Carex meadii	Mead's Sedge	SR		S1	G4G5
PM: low wet places (Durham, Orange)					
Carex misera	Wretched Sedge	SR		S3	G3
M: high elevation rock outcrops (Ashe*, Avery*, Buncombe*, Clay*, Haywood, Jackson*, Macon*, Mitchell*, Swain, Transylvania*, Watauga*, Yancey*)					
Carex oligosperma (not in RAB)	Few-seeded Sedge	C		S1	G4
M: seeps and bogs (Ashe*, Avery?, Mitchell*, Watauga*)					
Carex pedunculata (not in RAB)	Longstalk Sedge	C		S1	G5
M: rich cove forests (Polk*, Transylvania*)					
Carex projecta	Necklace Sedge	C		S1	G5
CMP: bogs, marshes, swamps (Avery, Cherokee, Cumberland, Iredell, Mecklenburg, Mitchell, Swain)					
Carex reniformis	Kidney Sedge	SR		SH	G4?
CP: swamps, open wet areas (Johnston, Wake)					
Carex roanensis (not in RAB)	Roan Sedge	C	C2	S1	G1

M: forests (Mitchell*)

Carex schweinitzii	Schweinitz's Sedge	E	S1	G3
M: bogs and swamp forests (Henderson)				
Carex sp. 1 (not in RAB)	Golden Sedge	C	S1	G?
C: savanna-swamp forest ecotones, over coquina limestone (marl) (Pender*)				
Carex tenax	Wire Sedge	SR	SH	G5?
S: sandhills (Wayne)				
Carex tetanica	Rigid Sedge	SR	S1	G4G5
CM: bogs and swamps (Macon*, Wake, Warren, Wilson)				
Carex trichocarpa	A Sedge	SR	S1	G4
M: marshy bogs (Ashe, Haywood)				
Carex trisperma	Three-seeded Sedge	SR	S1	G5
M: bogs, wet forests at high elevations (Avery*, Buncombe, Mitchell, Swain, Watauga*)				
Carex turgescens	Pinebarren Sedge	SR	S1	G3G5
S: seepage bogs (Cumberland*, Harnett, Hoke*, Scotland)				
Carex verrucosa	Warty Sedge	SR	S1	G5
CS: savannas and pinelands (Brunswick, Columbus, Cumberland, Harnett, New Hanover, Onslow*)				
Carex vestita	Velvet Sedge	C	S1	G5
P: low woods (Durham)				
Carex woodii	Wood's Sedge	SR	S2S3	G4Q
MPC: forested slopes, cove forests, and northern hardwoods (Alleghany, Ashe, Avery*, Clay, Jackson*, Jones, Macon*, Mitchell, Orange, Transylvania, Watauga)				
Carya laciniosa	Big Shellbark Hickory	C	S1	G5
C: brownwater river levees (Halifax*)				
Carya myristiciformis (not in NC in RAB; = C. myristicaef.)	Nutmeg Hickory	T	S1	G5
C: wet marl forests (Pender*)				
Caulophyllum giganteum (not in RAB)	Northern Blue Cohosh	SR	S1	G3G5Q
M: cove forests (Alleghany)				
Chamaesyce cordifolia (= Euphorbia cordifolia)	Heartleaf Sandmat	SR	SH	G5
C: sandhills (Richmond, Wayne)				
Chasmanthium nitidum (= Uniola nitida)	A Spanglegrass	C	S1	G3?
C: blackwater bottomlands (Pender)				
Cheilanthes alabamensis	Alabama Lip-fern	C	S1	G5
M: calcareous outcrops (Madison*)				
Chelone cuthbertii	Cuthbert's Turtlehead	SR	S3?	G3
MPC: bogs (Alexander, Alleghany*, Ashe*, Avery*, Forsyth, Henderson*, Jackson*, Macon, Stokes, Transylvania, Wilkes, Yancey*)				
Chenopodium simplex (not in RAB)	Giant-seed Goosefoot	SR	S1	G?
M: shaded soil at bases of cliffs (Ashe*, Jackson)				
Chloris (see Eustachys)				
Chrysoma pauciflosculosa (= Solidago pauciflosculosa)	Woody Goldenrod	E	S1	G4G5
C: sandhills (Columbus*, Robeson*)				
Cirsium carolinianum (= Carduus carolinianus)	Carolina Thistle	C	S1	G5
P: forests and disturbed areas, mostly on basic soils (Cabarrus, Granville*, Mecklenburg, Montgomery, Rowan, Wake, Wilkes)				
Cladium mariscoides	Smooth Sawgrass, Twig-Rush	SR	S2	G5
CSM: bogs, fens, brackish marshes, sandhill seepage bogs (Alleghany, Ashe*, Carteret*, Craven, Currituck*, Dare, Harnett, Onslow*, Watauga*, Yancey*)				
Clematis glaucophylla	White-leaved Leatherflower	SR	SH	G3?
MP: habitat not known (Buncombe, Stokes, Surry)				
Clematis occidentalis (= C. verticillaris)	Mountain Clematis	SR	S1	G5
M: rocky forests (Ashe*, Buncombe*)				

Coeloglossum viride var. virescens (= Habenaria viridis)	Long-bracted Frog Orchid	C		SH	G5T5
MP: seeps in cove forests (Avery, Buncombe, Forsyth, Haywood, Jackson)					
Coelorachis cylindrica (= Manisuris cylindrica)	Carolina Jointgrass	C		SH	G4G5
P: open woodlands and roadsides (Anson, Montgomery, Union)					
Collinsonia tuberosa	Piedmont Horsebalm	C		S1	G3G5
PM: rich hardwood forests (Alamance, Chatham*, Guilford, Henderson, Richmond)					
Collinsonia verticillata	Stoneroot, Whorled Horsebalm	C		S1	G2G3
PM: cove forests (Polk*)					
Conioselinum chinense	Hemlock-parsley	E		S1	G5
M: high elevation seepage slopes (Avery*)					
Coreopsis latifolia	Broadleaf Coreopsis	C	3C	S3	G3
M: cove forests and other rich woods (Avery*, Buncombe*, Henderson, McDowell*, Polk*, Rutherford*)					
Cornus asperifolia	Roughleaf Dogwood	C		S1	G?
C: wet marl forests (New Hanover, Pender*)					
Crinum americanum (not in RAB)	Swamp-lily	C		S1	G5
C: tidal swamp forests, tidal marshes (New Hanover)					
Croton monanthogynus	Prairie-tea Croton	SR		S1	G5
M: calcareous rock outcrops (Madison)					
Cyperus dentatus	Toothed Flatsedge	C		S1?	G4
C: marshes (Brunswick, Currituck, Dare)					
Cyperus granitophilus (not in RAB)	Granite Flatsedge	SR		S1	G3Q
P: granite flatrocks, other rock outcrops (Alexander, Forsyth, Franklin*, Wake*, Yadkin)					
Cyperus houghtonii	Houghton's Flatsedge	C		SH	G4
P: dry soil (Iredell)					
Cyperus lecontei	Leconte's Flatsedge	SR		S1	G4?
C: limesink ponds (Brunswick, New Hanover, Onslow*)					
Cyperus tetragonus	Four-angled Flatsedge	SR		S2	G4?
C: maritime forests and barrier island grasslands (Brunswick*, Carteret, Dare*, New Hanover, Onslow)					
Cypripedium reginae	Showy Ladyslipper	C		SH	G4
M: habitat not known (Jackson, Macon)					
Cystopteris tennesseensis	Tennessee Bladder-fern	E-SC		S1	G5
CM: calcareous rock outcrops (Craven*, Graham, Jones*, Onslow*)					
Cystopteris tenuis (not in RAB)	Upland Bladder Fern	SR		S1	G4G5
M: high elevation rocky summits, cliffs (Mitchell*)					
Dalibarda repens	Robin Runaway	E		S1	G5
M: bogs and moist woods under rhododendrons (Alleghany*, Ashe*, Transylvania*)					
Delphinium exaltatum	Tall Larkspur	E-SC	C2	S1	G3
MP: grassy balds, glades, woodlands, mostly over mafic rock (Alleghany, Durham*, Haywood, Iredell, Jackson*, McDowell, Mecklenburg, Mitchell, Watauga*)					
Deschampsia cespitosa ssp. glauca (= D. caespitosa var. g.)	Tufted Hairgrass	C		S1	G5T5
M: olivine barrens, high elevation outcrops of mafic rock (Clay)					
Desmodium ochroleucum	Creamy Tick-trefoil	SR		S1?	G5?
P: sandy or rocky woodland openings (Davie, Durham*, Moore, Orange, Wake*)					
Desmodium sessilifolium	Sessile Tick-trefoil	C		SH	G?
P: open woodlands (Cabarrus, Mecklenburg)					
Dicentra eximia	Bleeding Heart	SR		S2	G4
M: rock outcrops (Buncombe*, Burke, Haywood, Macon, Madison*, Rutherford*, Swain, Watauga, Yancey*)					
Dichanthelium erectifolium (= Panicum erectifolium)	Erectleaf Witchgrass	SR		S2	G4
C: savannas (Brunswick*, New Hanover, Onslow*)					
Dichanthelium sp. 1 (= Panicum hirstii; not in RAB)	Hirsts' Panic Grass	C	C2	S1	G1

C: cypress savannas (Onslow*)

Didiplis diandra (= Peplis diandra)	Water Purslane	SR		S1	G5

CS: sluggish streams and ponds (Chowan, Edgecombe, Harnett, Hertford, Moore, Nash, Perquimans, Wake, Warren)

Diervilla rivularis		C		S1	G3

M: forests (Yancey)

Dionaea muscipula	Venus Flytrap, Meadow Clams	C-SC	3C	S3	G3

CS: savannas, seepage bogs, pocosin edges (Beaufort*, Bladen*, Brunswick*, Carteret*, Columbus*, Craven, Cumberland*, Duplin, Hoke*, Jones, Lenoir, Moore, New Hanover*, Onslow*, Pamlico*, Pender*, Robeson, Sampson)

Disporum maculatum	Nodding Mandarin	C		S2	G3G4

M: drier cove forests and northern hardwoods forests, ridgesides (Buncombe*, Clay*, Haywood, Jackson, Madison*, Yancey)

Dodecatheon meadia	Shooting Star	SR		S2	G5

PM: rich, rocky woods, over mafic or calcareous rocks (Anson, Buncombe*, Davidson, Granville, Haywood*, Iredell, Jackson, Macon, Mecklenburg*, Orange, Rutherford*, Stanly, Watauga)

Draba ramosissima	Branching Draba	SR		S2	G4

MP: calcareous and mafic rock outcrops (Buncombe*, Haywood, Madison*)

Draba reptans	Creeping Draba	SR		SH	G5

P: habitat not known (Lincoln)

Drosera filiformis	Threadleaf Sundew	SR		S1	G5

C: clay-based Carolina bays, wet savannas, ditches (Bladen, Brunswick, Columbus*, Duplin, Sampson*)

Echinacea laevigata	Smooth Coneflower	E-SC	C2	S1	G2?

P: glades, woodlands, and open areas over mafic rocks (Durham*, Granville*, Mecklenburg, Montgomery, Orange)

Echinacea purpurea	Purple Coneflower	SR		S1	G4G5

M: open woods and clearings (Burke, Jackson, Madison*, Polk, Rutherford)

Echinodorus parvulus (not in RAB)	Dwarf Burhead, Mudbabies	C		S1	G2G4

C: drawdown zones of clay-based Carolina bays and blackwater rivers (Brunswick*, Robeson*)

Eleocharis cellulosa	Gulfcoast Spikerush	SR		S1	G4G5

C: interdune ponds, brackish marshes (Dare, Hyde*, Onslow)

Eleocharis elongata (not in RAB)	Florida Spikerush	C		S1	G5?

C: limesink ponds (Brunswick*, Onslow*)

Eleocharis equisetoides	Horsetail Spikerush	SR		S2	G4

C: limesink ponds (Brunswick, Carteret*, Craven, New Hanover, Onslow*)

Eleocharis halophila	Saltmarsh Spikerush	T		S1	G4

C: brackish and freshwater marshes (Dare*, Hyde)

Eleocharis melanocarpa	Blackfruit Spikerush	C		S1?	G4

C: clay-based Carolina bays, limesink ponds (Brunswick*, Johnston, New Hanover*, Onslow*, Richmond, Scotland*, Wayne)

Eleocharis robbinsii	Robbins's Spikerush	C		S1	G4G5

C: limesink ponds, clay-based Carolina bays, peat-burn lakes (Bladen, Brunswick*, Carteret*, Craven, New Hanover, Onslow*, Sampson*)

Eleocharis rostellata	Beaked Spikerush	SR		S1	G5

C: brackish marshes, limesink ponds (Beaufort, Carteret, Dare*, Hyde*)

Elymus trachycaulus ssp. trachycaulus (= Agropyron t.)	Slender Wheatgrass	C		S1	G5T5

M: olivine barrens (Clay*)

Enemion biternatum (= Isopyrum biternatum)	Atlantic Isopyrum	SR		S2	G5

PC: rich bottomlands, levees, and lower slopes (Cumberland, Durham*, Franklin*, Granville*, Halifax, Harnett*, Lee*, Northampton, Orange, Person, Vance)

Epilobium ciliatum	Purpleleaf Willowherb	SR		S2	G5

M: seeps and bogs (Alleghany*, Avery*, Buncombe*, Henderson*, Jackson, Macon, Mitchell, Watauga*, Yancey)

Epilobium leptophyllum	Narrowleaf Willowherb	SR		S3	G5

MP: bogs and seeps (Alleghany*, Ashe*, Avery*, Burke*, Guilford, Jackson*, Macon*, Madison*, Mitchell*, Watauga*)

Eriocaulon aquaticum (= Eriocaulon pellucidum)	Seven-angled Pipewort	SR		S2	G5

CS: blackwater creeks, natural lakes, tidal freshwater marshes (Bladen, Brunswick, Columbus, Craven, Moore, Perquimans, Tyrrell, Washington)

Eriocaulon lineare	Narrow Pipewort	E		SX	G4

M: bogs (Henderson)

Eriocaulon parkeri (not in RAB)	Estuary Pipewort	C	3C	S1	G3

C: natural lakes (Hyde*, Tyrrell)

Erythrina herbacea	Coralbean	SR		S1	G5

C: maritime forests (Brunswick*, Carteret, New Hanover*)

Eulophia (see Pteroglossaspis)

Eupatorium incarnatum	Pink Thoroughwort	SR		S1	G5

PMC: rich woods and thin woodlands over diabase, calcareous rocks, other basic rocks, or rich alluvium (Alexander*, Durham, Madison*, Martin, Polk, Warren)

Eupatorium leptophyllum (= E. capillifolium var. l.)	Limesink Dog-fennel	C		S1	G4G5

C: limesink ponds and clay-based Carolina bays (Brunswick*, New Hanover*, Scotland*)

Eupatorium resinosum	Resinous Boneset	E	C2	S2	G2

SC: seepage bogs, beaver ponds, pondshores, shrub swamps (Bladen*, Columbus, Cumberland, Harnett*, Hoke*, Moore*, Scotland*)

Euphorbia commutata (not in NC in RAB)	Cliff Spurge	SR		S1	G5

MP: thin soil around mafic or calcareous outcrops (Caswell, Buncombe*)

Euphorbia purpurea	Glade Spurge	C	C2	S2	G2

M: forests, especially over mafic rock (Ashe*, Buncombe, Clay*, Haywood*, Jackson*, Macon*, Mitchell, Swain*, Watauga)

Euphorbia (also see Chamaesyce)

Eustachys glauca (= Chloris glauca)	Saltmarsh Fingergrass	SR		S1	G4

C: salt marshes (New Hanover)

Filipendula rubra	Queen-of-the-Prairie	C		S1	G4G5

M: bogs, wet meadows (Buncombe, Haywood*, Macon, Watauga, Yancey*)

Fimbristylis perpusilla (not in RAB)	Harper's Fimbry	T	C2	S1	G2

C: drawdown zones of blackwater rivers (Brunswick*, Columbus*)

Fothergilla major	Large Witch-alder	C		S2	G3

MP: dry ridgetop or bluff forests (Burke, Chatham*, Gaston, Montgomery*, Orange*, Polk, Randolph, Rutherford*, Stokes, Surry, Transylvania*)

Frasera caroliniensis (= Swertia caroliniensis)	Columbo	SR		S1	G5

M: deciduous forests (Cherokee, Clay, Macon)

Gaillardia aestivalis	Sandhills Gaillardia	C		S1	G5

S: sandhills (Cumberland, Hoke, Moore, Richmond, Scotland)

Galactia mollis	Soft Milk-Pea	SR		S1	G4G5

S: sandhills (Brunswick, Cumberland, Scotland, Wayne)

Gale (see Myrica)

Gentiana flavida (= Gentiana alba)	Yellow Gentian	SR		SH	G4

M: habitat not known (Watauga)

Gentiana linearis (not in RAB)	Linear-leaved Gentian	C		S1	G?

M: streambank (Watauga*)

Gentiana (also see Gentianopsis)

Gentianopsis crinita (= Gentiana crinita)	Fringed Gentian	E-SC		S1	G4

M: glades, serpentine barrens, open sites over basic rocks (Ashe*, Clay*, Macon, Watauga*)

Geum aleppicum	Yellow Avens	C		S1	G5

M: bogs (Avery, Swain*)

Geum geniculatum	Bent Avens	T	C2	S1	G1
M: high elevation forests, streambanks, seepage slopes (Avery*, Caldwell*, Mitchell*, Watauga*)					
Geum laciniatum (var. trichocarpum)	Rough Avens	SR		S1	G5
M: bogs (Avery*)					
Geum radiatum	Cliff Avens, Spreading Avens	E-SC	E	S1	G1
M: high elevation rocky summits (Ashe*, Avery*, Buncombe*, Burke, Mitchell*, Transylvania*, Watauga*, Yancey*)					
Gillenia (see Porteranthus)					
Glyceria laxa (= G. canadensis var. laxa)	Lax Mannagrass	SR		S1	G?Q
M: seeps (Alleghany, Haywood*, Henderson, Macon, Transylvania*)					
Glyceria nubigena	Smoky Mountain Mannagrass	T	C2	S2	G2
M: high elevation seeps (Graham*, Swain*)					
Glyceria (also see Torreyochloa)					
Gnaphalium helleri var. helleri (not in RAB)	Heller's Rabbit Tobacco	SR		S2?	G?T?
PS: dry woodlands, openings, and glades, especially over mafic rocks (Anson, Davidson, Durham, Forsyth, Franklin, Granville*, Guilford, Halifax, Harnett, Mecklenburg, Moore, Orange, Person, Rowan, Scotland, Union, Wake)					
Gnaphalium helleri var. micradenium (not in RAB)	Small Rabbit Tobacco	SR		S1	G?T?
P: dry woodlands (Granville, Person, Stokes)					
Grammitis nimbata	West Indian Dwarf Polypody	E	C2	S1	GU
M: spray zone behind waterfalls (Macon)					
Gymnocarpium sp. 1 (not in RAB)	Appalachian Oak Fern	C	C2	S1	G1G2
M: shaded and sheltered crevices on high elevation rocky summits (Ashe*)					
Habenaria (see Coeloglossum, Platanthera)					
Halodule beaudettei	Beaudette's Shoalweed	SR		S2	G5
C: in shallow water in sounds and estuarine rivers (Carteret*, Dare, Hyde, Onslow)					
Helenium brevifolium	Littleleaf Sneezeweed	C		S1	G4
PMC: bogs, seeps, riverbanks, other wet sites (Brunswick?, Henderson, Iredell*, Lenoir?, Lincoln, Montgomery, Rowan, Wake)					
Helenium pinnatifidum	Dissected Sneezeweed	SR		S2	G3G5
C: savannas and open, wet, mucky sites (Bladen*, Brunswick*, Columbus*, New Hanover, Pender*, Robeson)					
Helenium vernale	Spring Sneezeweed	SR		S1	G3G4
C: savannas (Brunswick*, Columbus?)					
Helianthemum bicknellii	Plains Sunrose	C		S1	G5
M: rock outcrops, glades, fens (Ashe, Buncombe, Haywood, Jackson, Transylvania)					
Helianthemum corymbosum	Pinebarren Sunrose	SR		S1	G4G5
C: maritime forests (Carteret, Dare)					
Helianthemum georgianum	Georgia Sunrose	C		S1	G4
C: maritime forests (Brunswick, Carteret, Dare, Hyde, New Hanover)					
Helianthemum propinquum	Creeping Sunrose	C		S1	G4
M: rock outcrops, glades (Alleghany, Ashe*, Avery, Buncombe*, Henderson, Stokes, Transylvania, Yancey*)					
Helianthemum rosmarinifolium	Rosemary Sunrose	SR		S1	G4
S: sandhills (Richmond*)					
Helianthus laevigatus	Smooth Sunflower	SR		S2	G3G4
PM: shaly open woods and roadsides (Burke, Cleveland, Montgomery*, Polk, Rowan*, Stanly*, Union*)					
Helianthus occidentalis	Few-leaf Sunflower	C		SX	G5
M: sandy bottomlands (Buncombe)					
Helianthus schweinitzii	Schweinitz's Sunflower	E	E	S1	G1
P: open woods and roadsides (Cabarrus*, Mecklenburg*, Montgomery, Rowan*, Stanly*,					

Stokes, Union*)

Helonias bullata	Swamp Pink	T-SC	T	S1	G2
M: bogs (Henderson*, Jackson*, Transylvania*)					
Hemicarpha (see Lipocarpha)					
Heteranthera multiflora (not in RAB)	Multiflowered Mud-Plantain	SR		S1	GU
C: open pools in brownwater or blackwater river floodplains (Bertie, Martin, Pasquotank, Perquimans)					
Hexalectris spicata	Crested Coralroot	SR		S2	G3G4
PMC: dry or mesic woods on basic soils (Burke, Cabarrus, Davidson, Davie, Durham, Forsyth, Franklin, Granville, Guilford, Jackson*, Johnston, Jones, Madison, Mecklenburg, Orange*, Person, Polk, Randolph, Rutherford*, Surry, Wilkes)					
Hexastylis contracta	Mountain Heartleaf	E	C2	S1	G3
M: acidic forests under rhododendron (Buncombe*, Henderson*)					
Hexastylis lewisii	Lewis's Heartleaf	C	3C	S3	G3
PSC: forests, pocosin edges (Bladen*, Burke, Chatham*, Cumberland, Durham*, Duplin, Granville*, Halifax*, Harnett*, Lenoir, Nash*, Orange*, Person*, Sampson*, Scotland*, Vance*, Wake*)					
Hexastylis naniflora	Dwarf-flowered Heartleaf	E	T	S2	G2G3
P: rich deciduous forests, bluffs, and ravines (Burke, Catawba*, Cleveland, Lincoln, Rutherford*)					
Hexastylis rhombiformis (not in RAB)	French Broad Heartleaf	C	C2	S1	G1
M: cove forests (Henderson*, Polk*, Transylvania*)					
Hibiscus aculeatus	Savanna Hibiscus, Comfortroot	SR		S1	G4G5
C: savannas (Carteret, New Hanover, Robeson)					
Hierochloe odorata (not in RAB)	Holy Grass	C		S1	G5
M: bogs (Macon*, Watauga)					
Houstonia montana (= Hedyotis purpurea var. m.; not in RAB)	Mountain Bluet	E	E	S1	G1
M: high elevation rocky summits, grassy balds (Ashe*, Avery*, Mitchell*, Watauga*, Yancey)					
Hudsonia montana	Mountain Golden-heather	T	T	S1	G1
M: gorge rim outcrops, rocky summits, pine-oak/heath ridges (Burke*, McDowell*)					
Hudsonia tomentosa	Woolly Beach Heather	SR		S2	G5
C: openings in maritime forest, blowouts, dunes and medanos (Currituck*, Dare*)					
Huperzia porophila (= Lycopodium porophilum)	Rock Clubmoss	C		S1	G4
M: in spray zone of waterfalls (Jackson*, Macon*, Polk?, Transylvania*)					
Huperzia selago (= Lycopodium selago)	Fir Clubmoss	SR		S2	G5
M: high elevation rocky summits, seeps, fens (Ashe*, Avery*, Buncombe*, Haywood, Jackson*, Mitchell*, Rutherford*, Transylvania*, Watauga*, Yancey*)					
Hydrastis canadensis	Golden Seal	E-SC		S2	G4
MP: cove forests, other rich deciduous forests (Buncombe*, Haywood, Jackson*, Madison*, Rockingham*, Watauga)					
Hypericum adpressum	Bog St. John's-wort	C		SH	G2G3
C: boggy places (Halifax, New Hanover, Northampton)					
Hypericum suffruticosum	Pineland St. John's-wort	SR		S1	G?
C: pine savannas (Bladen, Sampson)					
Hypoxis sessilis	Sessile Yellow Stargrass	C		S1	G4
CS: savannas, pinelands (Hoke?, Pender)					
Ilex amelanchier	Sarvis Holly	SR	3C	S2S3	G3G4
CS: blackwater swamps and riverbanks, clay-based Carolina bays (Brunswick*, Columbus*, Harnett, Hoke, Pender*, Richmond, Robeson*, Scotland)					
Ilex collina (not in RAB)	Long-Stalked Holly	T	3C	S1	G3
M: bogs, wet streamsides, or high elevation forests (Ashe*, Swain*, Watauga*)					
Ipomoea imperati (= I. stolonifera)	Beach Morning Glory	SR		S1	G?
C: sea beaches and foredunes (Brunswick*, Carteret*, New Hanover)					

Isanthus (see Trichostema)					
Isoetes piedmontana (not in RAB)	Piedmont Quillwort	T		S1	G4Q
P: granite flatrocks and diabase glades (Franklin*, Granville?, Rowan, Wake*)					
Isoetes riparia	Riverbank Quillwort	SR		S1	G4
C: tidal freshwater marshes and swamp forests (Craven, Currituck, Pender, Pitt, Tyrrell)					
Isoetes virginica	Virginia Quillwort	C	C2	S1	G1G2Q
P: upland depression swamp forests, clayey soils (Caswell, Chatham, Rowan, Union)					
Isopyrum (see Enemion)					
Isotria medeoloides	Small Whorled Pogonia	E	E	S1	G2
MPS: forests, especially with white pine (Burke*, Cumberland, Harnett, Haywood*, Henderson*, Jackson*, Macon*, Orange, Surry)					
Iva microcephala (not in NC in RAB)	Small-Headed Marsh Elder	C		S1	G5
C: clay-based Carolina bays (Robeson*, Scotland*)					
Jeffersonia diphylla	Twin Leaf	SR		S1	G5
M: rich cove forests, especially over calcareous rocks (Jackson*)					
Juglans cinerea	Butternut	W	C2	S2S3?	G5?
MP: cove forests, rich woods (Ashe, Avery, Buncombe, Burke, Clay, Haywood, Jackson, Macon, McDowell, Polk, Rutherford, Stanly, Stokes, Swain, Watauga)					
Juncus gymnocarpus	Seep Rush	SR		S2	G2G3
M: bogs, seeps, streambanks (Alleghany*, Ashe*, Avery*, Burke, Clay, Henderson*, Jackson*, Macon, McDowell, Transylvania*, Watauga*, Yancey*)					
Juncus trifidus ssp. carolinianus (= J. t. var. monanthos)	Carolina Highland Rush	E	C2	S1	G5T3Q
M: high elevation rocky summits (Ashe*, Buncombe*, Mitchell*)					
Juniperus communis var. depressa	Dwarf Juniper	C		S1	G5T5
MP: high elevation granitic domes, low elevation rocky summits (Buncombe, Gaston*, Macon*)					
Kalmia cuneata	White Wicky	E-SC	C2	S2	G3
CS: pocosins (Bladen*, Cumberland, Hoke*, Moore*, Pender*, Richmond*, Scotland)					
Lachnocaulon beyrichianum	Southern Bogbutton	C		S1	G2G3
C: sandhills, sandhill/pocosin ecotones (Bladen, Brunswick*, New Hanover*, Pender*)					
Lechea torreyi	Torrey's Pinweed	C		S1	G4G5
CS: sandhills, savannas (Brunswick, Moore, Pender)					
Liatris aspera	Rough Blazing Star	SR		S1	G4G5
M: glades, open woods, fens (Ashe*, Burke, Henderson, Jackson, Macon, McDowell, Polk, Transylvania)					
Liatris helleri	Heller's Blazing Star	T-SC	T	S1	G1
M: high elevation rocky summits, cliffs (Ashe*, Avery*, Burke*, Caldwell*, Mitchell, Watauga*)					
Liatris squarrulosa (= Liatris earlei)	Earle's Blazing Star	SR		S2	G4G5
PS: diabase glades, open woods especially over mafic rocks; also sandhills (Cumberland, Durham*, Granville*, Harnett, Orange, Richmond, Stokes, Swain)					
Liatris turgida	Shale-barren Blazing Star	SR		S1?	G?
M: dry rocky woods (Buncombe, Burke, Macon, Polk)					
Lilaeopsis carolinensis	Carolina Grasswort	T	3C	S2	G3
C: freshwater marshes, pools, tidal marshes (Brunswick*, Currituck*, Dare*, New Hanover*, Pasquotank, Perquimans, Washington)					
Lilium canadense ssp. canadense	Yellow Canada Lily	SR		S1	G5T?
M: bogs, wet meadows (Watauga)					
Lilium canadense ssp. editorum	Red Canada Lily	SR		S1	G5T?
M: bogs, wet meadows (Alleghany, Avery, Henderson, Rutherford, Stanly, Watauga)					
Lilium grayi	Gray's Lily	T-SC	C2	S2	G2
M: bogs, wet meadows, seeps, grassy balds, high elevation forests (Alleghany*, Ashe*, Avery*, Buncombe*, Henderson?, McDowell*, Mitchell*, Watauga*, Yancey*)					

Lilium philadelphicum	Wood Lily	C		S1	G5
M: grassy balds, glades (Alleghany, Ashe*, Avery, Haywood, Mitchell, Polk, Swain, Watauga*, Yancey*)					
Limosella australis (= L. subulata)	Awl-leaf Mudwort	C		S1	G4G5
C: tidal marshes (Currituck*)					
Lindera melissifolia (= L. melissaefolia)	Southern Spicebush	E	E	S1	G2
C: wet areas (Bladen*)					
Lindera subcoriacea (not in RAB)	Bog Spicebush	E	C2	S1	G2
SP: streamhead pocosins, white cedar swamps, bogs (Anson*, Cumberland*, Hoke*, Lee*, Montgomery*, Moore*, Robeson*, Scotland*)					
Linum floridanum var. chrysocarpum (not in RAB)	Yellow-fruited Flax	SR		S1	G?T?
C: pine savannas (Brunswick, Onslow*)					
Linum sulcatum var. sulcatum	Glade Flax	SR		SH	G5T?
P: diabase glades (Granville)					
Liparis loeselii	Fen Orchid	C		S1	G5
MC: seeps, bay swamps (Ashe, Avery, Dare*, Jackson, Rutherford, Swain*, Watauga)					
Lipocarpha micrantha (= Hemicarpha micrantha)	Small-flowered Hemicarpha	SR		S1	G4
C: drawdown zones of blackwater rivers, salt marshes (Columbus*, Dare)					
Listera australis	Southern Twayblade	SR		S2	G4
CM: moist hardwood forests, swamps, wet woods under rhododendron (Avery, Bladen*, Craven, Dare*, Gates, Halifax*, Henderson*, Hyde*, Jones*, Pender*, Sampson*, Transylvania, Wayne*)					
Listera cordata	Heart-leaved Twayblade	C		SH	G5
M: habitat not known (Avery)					
Lithospermum canescens	Hoary Puccoon	SR		S1	G5
P: diabase glades, open woods over diabase (Durham*, Granville*)					
Litsea aestivalis	Pondspice	C	C2	S2	G4G5
C: limesink ponds, other pools (Bladen*, Brunswick*, Carteret*, Gates*, New Hanover, Onslow*, Sampson)					
Lobelia boykinii (not in NC in RAB)	Boykin's Lobelia	C	C2	S1	G2
C: clay-based Carolina bays, wet pine savannas (Bladen, Hoke*, Onslow*, Sampson, Scotland*)					
Lonicera canadensis	American Fly-honeysuckle	SR		S1	G5
M: bogs, moist woods (Mitchell*, Swain, Watauga*, Yancey)					
Lonicera flava	Yellow Honeysuckle	SR		S1	G5?
MP: thin soils around rock outcrops, mainly mafic (Buncombe*, Burke*, Henderson*, Jackson*, Polk*, Rutherford*)					
Lophiola aurea (= Lophiola americana)	Golden Crest	E		S1	G3G4
C: very wet, mucky habitats in pine savannas (Brunswick*, Columbus, New Hanover*)					
Lotus helleri	Carolina Birdfoot-trefoil	C	C2	S2	G3
P: open woods over clay soils, roadsides (Cabarrus*, Caswell, Davidson, Davie, Granville*, Iredell, Mecklenburg*, Person, Rowan*, Stanly, Union*, Warren)					
Ludwigia alata	Winged Seedbox	SR		S2?	G3G4
C: interdune ponds, marshes (Brunswick, Camden, Carteret, Currituck, Dare, Hyde, New Hanover, Onslow, Tyrrell)					
Ludwigia lanceolata	Lanceleaf Seedbox	SR		SH	G?
C: interdune ponds, open wet areas (Brunswick, Dare)					
Ludwigia linifolia	Flaxleaf Seedbox	SR		S1	G4
C: limesink ponds (Brunswick*, Carteret*, New Hanover*, Onslow*)					
Ludwigia suffruticosa	Shrubby Seedbox	SR		S2	G5
CS: limesink ponds, clay-based Carolina bays (Bladen, Brunswick*, New Hanover*, Scotland*)					
Lycopodiella inundata (not in RAB)	Bog Clubmoss	SR		S1	G5
M: bogs and seeps (Avery*, Watauga*)					

Lycopodium (see Huperzia, Lycopodiella)					
Lycopus cokeri	Coker's Bugleweed	C		S2	G2Q
SC: streamhead pocosins, sandhill seeps, clay-based Carolina bays, savannas (Cumberland*, Hoke*, Richmond, Sampson, Scotland, Wayne)					
Lysimachia asperulifolia (= L. asperulaefolia)	Rough-leaf Loosestrife	E	E	S2	G2
CS: pocosin/savanna ecotones, pocosins (Beaufort, Bladen*, Brunswick*, Carteret*, Columbus, Cumberland*, Hoke*, Onslow*, Pamlico*, Pender*, Richmond, Scotland*)					
Lysimachia fraseri	Fraser's Loosestrife	E	C2	S1	G2
M: forests, roadsides (Buncombe, Haywood, Henderson, Jackson*, Macon*, Transylvania)					
Macbridea caroliniana	Carolina Bogmint	C	C2	S1	G2G3
C: blackwater swamps, savanna/pocosin ecotones (Bladen, Brunswick*, Columbus*, Jones, Pender, Robeson*, Sampson)					
Magnolia macrophylla	Bigleaf Magnolia	SR		S1S2	G5
P: rich deciduous forests (Gaston*, Iredell*, Lincoln, Rowan, Wake*)					
Malaxis spicata	Florida Adder's Mouth	SR		S1	G3G4
C: maritime swamp forests, calcareous but mucky outer coastal plain swamps (Brunswick, Carteret*, Dare, Jones)					
Manisuris (see Coelorachis)					
Marshallia grandiflora	Large-fl. Barbara's Buttons	C	C2	SH	G2
MP: bogs, other sites? (Henderson)					
Marshallia trinervia	Broadleaf Barbara's Buttons	SR		SH	G3
M: habitat not known (Macon)					
Matelea decipiens	Glade Milkvine	SR		S2	G5
P: thin woodlands over mafic or calcareous rocks (Davidson, Durham, Granville, Jones, Orange, Polk, Wake)					
Meehania cordata	Meehania	SR		S2	G5
M: cove forests, boulderfields (Alleghany, Ashe*, Avery, Madison, Watauga*, Yancey)					
Melanthium woodii (not in RAB)	Ozark Bunchflower	C		SH	G5
M: habitat not known (Polk)					
Melica nitens	Three-flowered Melic	SR		S1	G5
M: open calcareous woods (Madison)					
Menyanthes trifoliata (not in RAB)	Buckbean	T		S1	G5
M: bogs (Watauga*)					
Milium effusum	Millet-grass	C		SH	G5
M: high elevation forests or openings (Swain)					
Minuartia alabamensis (not in RAB)	Alabama Sandwort	W	C2	S1	G2Q
P: granite flatrocks (Rutherford)					
Minuartia godfreyi (= Arenaria godfreyi)	Godfrey's Sandwort	E	C2	S1	G1
C: sandy creek banks, marshes, marl outcrops? (Craven*, Jones)					
Minuartia groenlandica (= Arenaria glabra var. groenl.)	Greenland Sandwort	C		S2	G5
MP: high elevation and low elevation rocky summits (Alleghany, Ashe, Avery*, Burke*, Mitchell*, Stokes, Surry*)					
Minuartia uniflora (= Arenaria uniflora)	Single-flowered Sandwort	E		S1	G3G4
P: granite flatrocks (Anson*, Rowan, Rutherford)					
Monotropsis odorata (including var. lehmaniae)	Sweet Pinesap	C		S2	G3
PM: dry forests and bluffs (Alamance, Alleghany, Buncombe, Burke*, Caldwell, Catawba, Chatham*, Durham, Henderson, Jackson, Macon, Orange*, Person, Polk, Rutherford*, Stokes*, Swain, Transylvania*, Wake)					
Muhlenbergia glomerata	Bristly Muhly	C		S1	G5
M: olivine barrens, fens, mafic cliffs (Ashe*, Clay)					
Muhlenbergia sobolifera	Rock Muhly	SR		SH	G5
M: dripping cliffs and rocky slopes (McDowell, Mitchell, Transylvania)					
Muhlenbergia torreyana (not in RAB)	Pinebarren Smokegrass	E	3C	S1	G3
C: cypress savannas (Onslow*, Robeson*)					

Myrica gale (= Gale palustris)	Sweet Gale	E		S1	G5
M: bogs (Henderson*)					
Myriophyllum laxum	Loose Watermilfoil	T	C2	S1	G2G3
C: limesink ponds, waters of natural lakes (Brunswick*, Carteret*, Craven, Onslow*)					
Myriophyllum tenellum (not in RAB)	Leafless Watermilfoil	C		S1	G5
C: waters of natural lakes (Bladen*, Washington*)					
Narthecium americanum	Bog Asphodel	E	C1	SX	G2
M: bogs (Henderson)					
Nestronia umbellula	Nestronia	C	C2	S3	G3G4
PSC: upland forests (Alexander, Cabarrus, Chatham, Cumberland, Durham*, Forsyth, Franklin, Gaston, Granville*, Guilford*, Harnett, Hoke*, Lee*, Lincoln, Mecklenburg, Moore*, Orange, Polk, Richmond, Rowan, Rutherford, Stanly, Vance*, Wake*)					
Oenothera perennis	Perennial Sundrops	C		S1	G5
MPC: bogs (Ashe*, Avery, Hertford, Iredell, Macon, Transylvania, Tyrrell)					
Oldenlandia boscii (not in NC in RAB)	Bosc's Bluet	SR		S1	G5
C: clay-based Carolina bays					
Onosmodium virginianum	Virginia Marbleseed	SR		S2?	G4
CSP: sandhills, dry mafic sites, shell middens (Brunswick, Cleveland, Cumberland, Durham, Harnett*, Hoke, Jones, Moore*, Polk, Richmond, Robeson, Scotland*, Wake)					
Oplismenus setarius	Shortleaf Basket Grass	SR		S1	G?
C: maritime forests, bottomlands (Brunswick, Carteret, Dare, Pender, Washington)					
Orbexilum lupinellum (= Psoralea lupinellus)	Lupine Scurfpea	SR		S2	G?
S: sandhills (Bladen, Cumberland, Hoke*, Moore*, Pamlico, Richmond, Sampson, Scotland*)					
Orbexilum macrophyllum (= Psoralea macrophylla)	Bigleaf Scurfpea	E	C1*	SX	GX
M: low mountain forests or outcrops? (habitat not known) (Polk)					
Orbexilum onobrychis (= Psoralea onobrychis)	Lanceleaf Scurfpea	C		SX?	G5
M: habitat not known (Haywood)					
Orbexilum pedunculatum var. pedunculatum (= Ps.ps.v.egl.)	Sampson's-snakeroot	SR		S1?	G?T?
M: open woodlands (Cherokee, Transylvania)					
Oxypolis canbyi (not in RAB)	Canby's Cowbane	E	E	S1	G1G2
C: clay-based Carolina bays (Scotland*)					
Oxypolis ternata	Savanna Cowbane	C	C2	S2	G3?
CS: pine savannas, sandhill seeps (Brunswick*, Carteret*, Columbus*, Craven, Cumberland*, Duplin, Harnett, Hoke*, Jones, Lee, Martin, Moore*, Onslow*, Pender, Pitt, Scotland*)					
Pachysandra procumbens	Allegheny Spurge	SR		S1	G4G5
P: cove forests (Polk*)					
Panax quinquefolius (= P. quinquefolium)	Ginseng	SR-SC		S4	G4
MPC: cove forests, other rich forests (Ashe*, Avery*, Buncombe*, Burke*, Caswell*, Cherokee*, Clay, Davidson, Durham*, Graham, Haywood*, Henderson, Jackson*, Lee*, Macon*, Madison*, Martin, McDowell*, Mecklenburg, Mitchell*, Moore, Orange*, Polk*, Rockingham*, Rutherford*, Stokes*, Surry*, Swain*, Transylvania*, Wake*, Watauga,* Yancey*)					
Panax trifolius (= P. trifolium)	Dwarf Ginseng	SR		S2	G5
MP: cove forests, northern hardwoods, other rich forests (Ashe*, Caldwell, Caswell, Cherokee*, Clay*, Durham, Graham, Jackson, Macon, Orange, Swain, Wake*, Watauga)					
Panicum flexile	Wiry Panic Grass	SR		S1	G3G5
PM: glades and openings over mafic rocks (Ashe, Durham, Granville*, Orange)					
Panicum tenerum	Southeastern Panic Grass	SR		S2	G4
CS: wet savannas, sandhill seeps, limesink ponds (Brunswick*, Carteret*, Columbus, Moore, New Hanover*, Onslow*)					

Panicum (also see Dichanthelium)					
Parnassia caroliniana	Carolina Grass-of-Parnassus	E	C2	S2	G2
C: wet savannas (Bladen, Brunswick*, Columbus*, Lee, Onslow*, Pender*)					
Parnassia grandifolia	Large-lvd. Grass-of-Parnassus	C		S1	G2G3
MC: fens and seeps over calcareous or mafic rocks (Ashe*, Avery, Brunswick*, Buncombe, Clay*, Columbus*, Haywood*, Transylvania*)					
Parthenium auriculatum (= P. integrifolium var. a.)	Glade Wild Quinine	C		S1	G?
PM: glades and openings over mafic rocks (Burke, Durham, Franklin, Granville*, Guilford, Macon, Mecklenburg, Orange, Person, Rockingham, Warren)					
Parthenium integrifolium var. mabryanum (not in RAB)	Mabry's Wild Quinine	SR		S2	G5T2?
SPC: savannas, pocosin edges, upland pine-oak woods (Craven, Cumberland, Hoke, Johnston, Lee, Union, Wake)					
Parthenium radfordii (not in RAB)	Wavyleaf Wild Quinine	C	C2	S1S2	G1G2Q
SCP: clay soils in sandhills (Bladen, Franklin?, Harnett*, Hoke*)					
Paspalum bifidum	Pitchfork Crown Grass	SR		S1	G5
SC: sandhills and savannas (Brunswick, Hoke, Jones, Montgomery, Moore, Scotland*)					
Pedicularis lanceolata	Swamp Lousewort	SR		S1	G5
M: bottomlands, swampy woods (Buncombe, Cherokee, Clay, Haywood, Jackson, Macon)					
Pellaea wrightiana	Wright's Cliff-brake	E-SC		S1	G5
P: rock outcrops (Alexander*, Stanly*)					
Peltandra sagittifolia (= P. sagittaefolia)	Spoonflower	SR		S2	G3G4
C: pocosins, other wet, peaty sites (Brunswick*, Carteret, Columbus, Craven, Dare*, Jones, New Hanover*, Onslow*, Pender*)					
Peplis (see Didiplis)					
Phacelia ranunculacea	Buttercup Phacelia	C		S2	G4
PC: bottomlands, rich lower slopes (Alamance*, Chatham*, Harnett*, Lee, Moore*, Vance*)					
Phaseolus sinuatus	Sandhills Bean	C		S1	G2G4
SC: sandhills (Cumberland, Harnett, Moore, Richmond, Scotland)					
Phegopteris connectilis (= Thelypteris phegopteris)	Northern Beech Fern	C		S1	G5
M: spray zone of waterfalls and spruce-fir forests (Haywood*, Jackson*, Macon*, Swain*, Transylvania*)					
Phlox subulata	Moss Pink	SR		S1	G5
M: outcrops and glades, especially over mafic rocks (Ashe*, Buncombe*, Jackson, Madison, Yancey)					
Pinguicula pumila	Small Butterwort	C		S1	G4
C: savannas (Brunswick*, Carteret*, New Hanover, Pender)					
Plantago cordata	Heart-leaf Plantain	E	3C	S1	G3
P: beds of small, slate-bottomed, perennial streams (Davidson*)					
Plantago sparsiflora	Pineland Plantain	E	C2	S1	G2
C: wet savannas (Bladen, Brunswick*, Columbus*, Pender*)					
Platanthera flava var. herbiola (not in RAB)	Northern Green Orchid	SR		S2?	G4T4
M: bogs and moist forests (Buncombe, Clay, Graham, Haywood, Jackson, Macon, Yancey)					
Platanthera grandiflora (= Habenaria psycodes var. g.)	Large Purple-fringed Orchid	SR		S2	G5
M: bogs, seeps, grassy balds, high elevation moist forests and banks (Avery*, Buncombe, Clay, McDowell, Watauga, Yancey)					
Platanthera integra (= Habenaria integra)	Yellow Fringeless Orchid	T		S1	G5
CMP: savannas (Brunswick*, Carteret*, Cherokee, Columbus*, Craven*, Forsyth, Henderson, Onslow, Pamlico, Pender, Robeson, Rowan)					
Platanthera integrilabia (= Habenaria bleph. var. i.)	White Fringeless Orchid	E	C2	SX	G2
M: bogs (Cherokee, Henderson)					
Platanthera nivea (= Habenaria nivea)	Snowy Orchid	C		S1	G5
C: wet savannas (Beaufort, Bladen, Brunswick*, Columbus, Dare, Hoke, New Hanover, Pender*, Robeson)					

Platanthera peramoena (= Habenaria peramoena)	Purple Fringeless Orchid	C		S1	G5
MP: bogs, forests (Buncombe, Burke, Caldwell, Clay, Forsyth, Guilford*, Haywood, Henderson, Jackson*, Macon, Mitchell, Orange*, Swain, Transylvania*, Warren, Watauga, Yancey)					
Poa paludigena (not in RAB)	Bog Bluegrass	E	C2	S1	G2
M: bogs (Avery*)					
Poa palustris	Swamp Bluegrass	SR		S1	G5
M: spruce-fir forests, grassy balds (Avery, Haywood, Henderson, Macon*, Mitchell, Polk, Swain, Watauga, Yancey)					
Poa saltuensis (= Poa languida)	A Bluegrass	C		S1	G5?
M: olivine barrens (Clay*)					
Polygala grandiflora	Showy Milkwort	SR		S1?	G5?
SC: sandhills (Richmond, Robeson, Scotland)					
Polygala hookeri	Hooker's Milkwort	C		S1?	G3G4
C: savannas (Bladen, Brunswick*, Carteret, Columbus, Craven, New Hanover, Onslow, Pender*, Sampson)					
Polygonella articulata	Coast Jointweed	C		SH	G5
C: sandhills (Gates)					
Polygonum glaucum	Seabeach Buckwheat	C		S1	G3
C: ocean and sound beaches (Beaufort, Brunswick*, Carteret*, Dare, Hyde, New Hanover, Onslow)					
Polygonum hirsutum	Hairy Smartweed	SR		S1	G4G5
CS: limesink ponds, clay-based Carolina bays, drawdown zones of blackwater riverbanks (Carteret, Onslow, Scotland*)					
Ponthieva racemosa	Shadow-witch	SR		S2	G4G5
C: blackwater forests and swamps, especially over marl (Beaufort, Brunswick, Craven*, Jones*, Pender*)					
Porteranthus stipulatus (= Gillenia stipulata)	Indian Physic	SR		S2	G5
P: forests and open woods, mainly over mafic rocks (Cabarrus, Chatham, Davidson, Durham, Granville*, Lee, Montgomery, Moore, Orange, Person*, Union, Wake*)					
Portulaca smallii	Small's Portulaca	E		S2	G3
P: granite flatrocks and diabase glades (Cabarrus, Forsyth, Franklin*, Granville*, Rowan, Wake*)					
Potamogeton confervoides	Conferva Pondweed	C	C2	S1	G5
SC: beaverponds and old millponds on blackwater creeks (Gates, Moore, Richmond, Scotland)					
Prenanthes roanensis	Roan Rattlesnakeroot	SR		S3	G3
M: grassy balds, high elevation forests and outcrops (Alleghany*, Ashe*, Avery*, Buncombe*, Haywood*, Jackson*, McDowell, Mitchell*, Surry, Swain, Transylvania*, Yancey)					
Prenanthes sp. 1 (= P. alba ssp. pallida)	Pale Rattlesnakeroot	SR		S2?	G2?
C: pocosins, pine flatwoods, wooded slopes, small stream swamps (Beaufort, Chowan, Currituck, Jones*, Martin, Onslow, Pasquotank, Tyrrell)					
Prunus pumila var. susquehanae	Susquehanna Cherry	SR		S1	G5T4T5
MP: rocky forests (Durham, Henderson)					
Psilocarya (see Rhynchospora)					
Psoralea (see Orbexilum, Pediomelum)					
Pteroglossaspis ecristata (= Eulophia ecristata)	Eulophia	E	C2	SX	G3G4
C: pinelands (Bladen, Cumberland, New Hanover)					
Ptilimnium costatum	Ribbed Bishopweed	SR		G5	
C: tidal swamps or marshes (New Hanover*)					
Ptilimnium nodosum (including Ptilimnium fluviatile)	Harperella	E	E	S1	G2
P: rocky riverbeds (Chatham*, Granville*, Lee)					
Ptilimnium sp. 1 (not in RAB)	Carolina Bishopweed	C		S1	G2

C: tidal freshwater marshes (Brunswick, New Hanover, Pender)

Pyrola elliptica	A Shinleaf	C		S1	G5
M: moist forests (Ashe)					
Pyxidanthera brevifolia (= P. barbulata var. brevifolia)	Sandhills Pyxie-moss	E	3B	S2	G2G3
S: sandhills (Cumberland*, Harnett*, Hoke*, Moore*)					
Quercus austrina	Bluff Oak	SR		S1?	G5
CP: bluff and bottomland forests (Bladen, Harnett, Johnston, Sampson, Union, Wayne)					
Quercus ilicifolia	Bear Oak	SR		S1	G5
P: dry summits and rocky woods (Burke*, Gaston*, Stokes*, Surry*)					
Quercus prinoides	Dwarf Chinquapin Oak	SR		S1	G5
PM: dry, rocky slopes (Buncombe, Caldwell, Cleveland, Gaston, Guilford, Iredell, Jackson, Person, Polk, Rutherford, Stanly)					
Ranunculus ambigens	Water-plantain Spearwort	SR		SH	G4G5
CP: open wet areas (Bertie, Orange, Perquimans)					
Ranunculus flabellaris	Yellow Water-crowfoot	C		S1	G5
C: pools in blackwater swamps (Edgecombe, Gates*)					
Ranunculus hederaceus	Ivy Buttercup	C		S1	G5
C: marshes (Currituck)					
Rhexia aristosa	Awned Meadow-beauty	T	C2	S2	G3
C: clay-based Carolina bays and limesink ponds (Bladen, Brunswick, Cumberland, Hoke*, Onslow*, Robeson*, Scotland*)					
Rhexia cubensis	West Indies Meadow-beauty	SR		S1	G?
C: limesink ponds (Brunswick*, Carteret*, New Hanover*, Onslow*)					
Rhododendron cumberlandense (not in RAB)	Cumberland Azalea	SR		S1	G2Q
M: grassy balds (Graham, Macon, Transylvania)					
Rhododendron prinophyllum (= Rhododendron roseum)	Early Azalea, Election Pink	SR		S1	G5
M: high elevation forests (Ashe*)					
Rhododendron vaseyi	Pink-shell Azalea	SR		S3	G3
M: wet swampy places, high elevation rocky areas, openings, or forests (Avery*, Caldwell*, Jackson*, Macon, McDowell, Mitchell, Transylvania*, Watauga*, Yancey)					
Rhus michauxii	Michaux's Sumac	E-SC	E	S1	G1
SCP: sandhills, sandy forests (Davie*, Durham, Franklin*, Hoke*, Johnston, Lincoln, Moore*, Orange, Richmond*, Robeson*, Scotland*, Union, Wake*, Wilson)					
Rhynchospora alba	Northern White Beakrush	C		S2	G5
MCS: fens, bogs, pocosin openings, limesink ponds (Alleghany*, Ashe*, Brunswick*, Craven, Cumberland, Dare, Mitchell*, Moore*, Pender, Tyrrell, Watauga*)					
Rhynchospora breviseta	Shortbristled Beakrush	SR		S1	G3G4
S: savannas (Brunswick, Carteret*, Columbus*, Craven)					
Rhynchospora decurrens	Swamp Forest Beakrush	C	C2	SH	G2?
C: swamp forests (Columbus)					
Rhynchospora harperi (not in RAB)	Harper's Beakrush	C		S1	G3
C: limesink ponds and cypress savannas (Carteret*, Onslow*)					
Rhynchospora macra (not in RAB)	Southern White Beakrush	C		S1	G3G4
S: seepage bogs (Cumberland*)					
Rhynchospora odorata	Fragrant Beakrush	SR		S1	G5
C: maritime wet grasslands (Brunswick, Carteret, Hyde*, Pender)					
Rhynchospora oligantha	Feather-bristle Beakrush	C		S1	G5
CSP: savannas, seepage bogs (Brunswick*, Carteret*, Cumberland, Hoke, Iredell, Jones*, Pender)					
Rhynchospora pallida	Pale Beakrush	SR		S2S3	G2G3
CS: savannas, sandhill seeps, and pocosins (Beaufort, Bladen, Brunswick*, Carteret*, Columbus*, Craven, Cumberland*, Duplin, Edgecombe, Harnett, Hoke*, Jones, Nash, New Hanover, Onslow*, Pamlico, Pender*, Richmond, Scotland, Wilson)					
Rhynchospora pleiantha	Coastal Beakrush	C		S1	G3

C: limesink ponds (Brunswick*, Carteret*, New Hanover*, Onslow*)

Rhynchospora scirpoides (= Psilocarya scirpoides)	Long-beak Bald-sedge	SR		S1	G4
C: wet savannas (Brunswick*, Carteret*, Columbus, Harnett, New Hanover*, Onslow*, Tyrrell, Washington)					
Rhynchospora stenophylla	Littleleaf Beakrush	C		S1	G2
CS: savannas, seepage bogs (Carteret, Hoke*, Pender)					
Rhynchospora tracyi	Tracy's Beakrush	SR		S2	G4
C: clay-based Carolina bays, limesink ponds (Brunswick*, New Hanover*, Onslow*, Scotland*)					
Robinia hispida var. fertilis (not in RAB)	Fruitful Locust	C		S1	G5T2
M: acidic cove forests, northern hardwoods forests, high elevation granitic domes (Alleghany, Avery, Burke, Graham, Macon, McDowell)					
Robinia hispida var. kelseyi (= Robinia kelseyi)	Kelsey's Locust	C		S1	G5TUQ
M: high elevation red oak forests, dry rocky woods (Buncombe, Burke, Haywood, Henderson, Madison, Polk, Rutherford, Transylvania)					
Robinia viscosa var. hartwegii (= Robinia hartwigii)	Hartweg's Locust	C		S1?	G3T1
M: high elevation granitic domes (Jackson, Macon*)					
Rubus idaeus ssp. strigosus (=R. i. var. canadensis)	Red Raspberry	SR		S2?	G5T5
M: high elevation spruce-fir forests and openings (Buncombe, Haywood*, Jackson*, Swain*, Yancey*)					
Rudbeckia heliopsidis	Sun-facing Coneflower	T	C2	S1	G2
C: moist pine flatwoods and woodland borders (Harnett*, Moore)					
Rudbeckia triloba var. pinnatiloba (not in RAB)	Pinnate-lobed Black-eyed Susan	C	C2	S1	G4T1T2
M: mafic cliffs (Buncombe*)					
Ruellia humilis	Low Wild-petunia	C		S1	G5
P: diabase glades (Durham*, Granville*, Wake*)					
Ruellia purshiana	Pursh's Wild-petunia	SR		S1S2	G?
PM: glades and woodlands, mostly over mafic or calcareous rocks (Durham, Forsyth, Granville*, Guilford, Madison, Mecklenburg*, Orange, Randolph, Rowan, Rutherford)					
Ruellia strepens (not in NC in RAB)	Limestone Wild-petunia	SR		S1	G4G5
C: low woods over marl (Pender)					
Rugelia nudicaulis (= Cacalia rugelia, Senecio rugelia)	Rugel's Ragwort	T	C2	S3	G3
M: spruce-fir forests (Haywood*, Swain*)					
Sabal palmetto	Cabbage Palm	SR		S1	G5
C: maritime forests on the southeastern coast (Brunswick*, New Hanover?, planted elsewhere)					
Sabatia kennedyana (= S. dodecandra var. kennedyana)	Plymouth Gentian	T-SC		S1	G3
C: drawdown zones on banks of blackwater rivers (Brunswick*, Columbus*)					
Sageretia minutiflora (not in NC in RAB)	Small-flowered Buckthorn	C		S1	G4
C: shell middens (Carteret, Onslow*, Pender*)					
Sagittaria fasciculata	Bunched Arrowhead	E	E	S1	G1
M: bogs and mountain swamp forests (Buncombe, Henderson*)					
Sagittaria graminea var. chapmanii (not in RAB)	Chapman's Arrowhead	C		S1	G?T?
C: limesink ponds (Carteret*, Onslow*)					
Sagittaria isoetiformis (= S. teres in RAB)	Quillwort Arrowhead	SR		S2	G3G5
CS: limesink ponds, clay-based Carolina bays, beaver ponds, natural lakes (Bladen, Brunswick, Moore*, New Hanover, Scotland, Washington)					
Sagittaria stagnorum (= S. subulata var. gracillima)	Water Arrowhead	SR		S1	G4G5
C: blackwater streams, rivers, and lakes (Columbus, Craven, Pender*, Wilson*)					
Salvia azurea	Azure Sage	SR		S1	G4G5
SC: sandhills (Hoke, New Hanover, Richmond, Scotland)					
Sanguisorba canadensis	Canada Burnet	SR		S2	G5
M: bogs, seeps, rarely seepy exposed cliffs at high elevations (Alleghany*, Ashe*,					

Buncombe*, Clay*, Henderson, Jackson*, Macon, Mitchell, Transylvania*, Watauga*, Yancey*)

Sarracenia jonesii (not in RAB)	Mountain Sweet Pitcher Plant	E-SC	E	S1	G1Q
M: bogs (Buncombe, Henderson*, Transylvania*)					
Sarracenia oreophila (not in RAB)	Green Pitcher Plant	E-SC	E	S1	G2
M: bogs (Clay*)					
Saxifraga caroliniana	Carolina Saxifrage	C	C2	S2	G2
M: high to middle elevation moist cliffs and rock outcrops (Alleghany, Ashe*, Avery*, Watauga*, others?)					
Saxifraga pensylvanica	Swamp Saxifrage	C		S1	G5
MP: bogs, seeps (Wake*, Watauga*)					
Schisandra glabra	Magnolia Vine	T-SC		S1	G4
C: rich slopes and floodplain "islands" (Martin*)					
Schwalbea americana	Chaffseed	E	C1	S1	G2
SC: savannas and moist pinelands with frequent fire (Bladen, Cumberland*, Hoke*, Moore*, Pender, Scotland)					
Scirpus acutus	Hardstem Bulrush	SR		SH	G5
C: natural lakes (Carteret, Craven, Dare, Hyde)					
Scirpus cespitosus	Deerhair Bulrush	C		S2	G5
M: high elevation rocky summits, moist cliffs (Ashe*, Avery*, Buncombe*, Burke*, Caldwell, Jackson*, Macon*, Mitchell*, Rutherford*, Transylvania*, Yancey)					
Scirpus etuberculatus	Canby's Bulrush	SR		S1S2	G3G4
CS: blackwater creeks (Brunswick, Craven, Harnett, Hoke*, Hyde, Johnston, Onslow*, Pender, Richmond, Scotland, Wayne)					
Scirpus flaccidifolius (not in RAB)	Reclining Bulrush	C	C2	S1	G1G2Q
C: swamp forests (Northampton)					
Scirpus lineatus (= S. fontinalis in RAB)	Drooping Bulrush	C		S1	G4
C: low rich woods over marl (Craven*, Jones*, Onslow*, Pender)					
Scirpus pendulus (= S. lineatus in RAB)	Rufous Bulrush	SR		S1	G5
P: wet places over mafic rocks (such as diabase) (Durham, Granville)					
Scirpus subterminalis	Swaying Bulrush	SR		S1	G4G5
S: blackwater creeks (Cumberland, Moore, Richmond*, Scotland*)					
Scleria georgiana	Georgia Nutrush	C		S2	G4
CS: savannas (Brunswick*, Carteret, Columbus*, Craven*, Hoke, New Hanover*, Onslow*, Robeson*)					
Scleria minor	Slender Nutrush	SR		S2	G3
CSM: bogs, savannas, seepage bogs (Beaufort, Bertie, Bladen, Craven, Harnett, Henderson, Hoke*, Jones, Lenoir, Macon, Martin, Onslow*, Pitt, Robeson, Scotland, Transylvania)					
Scleria reticularis (sensu stricto)	Netted Nutrush	C		S1?	G3G4
CS: clay-based Carolina bays, limesink ponds (Brunswick*, New Hanover, Onslow*)					
Scleria verticillata	Savanna Nutrush	C		S1	G5
C: savannas (Brunswick*, Carteret, Columbus, Dare, Hyde, Pender*)					
Scutellaria australis (not in RAB)	Southern Skullcap	C		SH	G?
PS: alluvial forests (Granville, Lee, Orange, Richmond)					
Scutellaria leonardii (not in RAB)	Shale-barren Skullcap	C		S1	G3G5Q
P: diabase glades (Durham*, Granville*, Johnston, Orange)					
Scutellaria nervosa	Veined Skullcap	SR		S1	G5
P: alluvial forests (Chatham, Durham, Granville*, Jackson, Northampton*, Wake, Warren)					
Scutellaria saxatilis	Rock Skullcap	C	C2	S1	G4
M: northern hardwoods forests (Ashe*, Burke*, Mitchell, Watauga)					
Sedum pusillum	Puck's Orpine	E	C2	S1	G3
P: granite flatrocks (Anson*)					

Sedum rosea (var. roanensis)	Roseroot, King's Crown	E	3B	S1	G5
M: high elevation rocky summits (Ashe, Mitchell, Watauga)					
Senecio millefolium	Divided-leaf Ragwort	T	C2	S2	G2?
M: granitic domes, other outcrops (Buncombe*, Henderson, Jackson*, Macon*, Polk*, Rutherford*)					
Senecio pauperculus	Balsam Ragwort	SR		S2?	G5
PMC: fens, bogs, and diabase glades (Alleghany, Durham, Edgecombe*, Granville*, Nash, Transylvania, Yancey*)					
Senecio plattensis (not in RAB)	Prairie Ragwort	C		S1	G5
M: mafic and calcareous rock outcrops and cliffs (Ashe*, Clay, Madison)					
Senecio schweinitzianus (= S. robbinsii)	Schweinitz's Ragwort	E		S2	G5?
M: grassy balds (Avery*, Mitchell*, Watauga*, Yancey*)					
Senecio (also see Cacalia)					
Seymeria pectinata	Sticky Afzelia	SR		SH	G4G5
C: disturbed habitats (Brunswick)					
Shortia galacifolia	Oconee Bells	E-SC	C2	S2	G2
M: streambanks, slopes, and outcrops in humid gorges (McDowell*, Swain, Transylvania*)					
Sida inflexa (not in RAB)	Fernald's Fan-petal	W	C2*	SH?	GH
C: habitat not known					
Sideroxylon tenax (= Bumelia tenax; not in NC in RAB)	Tough Bumelia	C		S1	G3?
C: maritime forests and scrub (Brunswick*, New Hanover)					
Silene ovata	Mountain Catchfly	C	C2	S2	G3
M: rich slopes, cove forests (Buncombe*, Haywood*, Henderson*, Jackson*, Macon, Madison, Swain*, Yancey*)					
Silphium connatum (not in RAB)	Virginia Cup-plant	SR		S1	G3
P: floodplains, rich alluvial woods (Alleghany, Rockingham, Stokes)					
Silphium perfoliatum	Northern Cup-plant	SR		S1	G5
PM: floodplains (Alleghany, Ashe, Cabarrus, Forsyth, Iredell, Mecklenburg, Stokes)					
Silphium terebinthinaceum	Prairie Dock	C		S2	G4G5
P: diabase glades, other open or semi-open sites over mafic rock (Cabarrus*, Durham*, Granville*, Wake)					
Sisyrinchium dichotomum (not in RAB)	White Irisette	E	PE	S1	G1
M: thin woods, especially over amphibolite, in the escarpment region (Henderson*, Polk*, Rutherford*)					
Smilax biltmoreana (= S. ecirrhata var. biltmoreana)	Biltmore Carrion-flower	C		S2	G2G3
PM: dry to mesic forests, over felsic or mafic rocks (Buncombe, Cabarrus, Cleveland, Gaston, Henderson, Lincoln, Polk, Randolph, Rutherford, Transylvania)					
Smilax lasioneura (not in RAB)	A Carrion-flower	SR		S1	G?
M: oak-hickory forests over mafic rocks (Guilford, Polk)					
Solidago plumosa (not in RAB)	Yadkin River Goldenrod	C	C2	SX	GX
P: riverside rocks					
Solidago ptarmicoides (not in RAB)	Prairie Goldenrod	E		S1	G5
P: diabase glades (Granville*, Rowan)					
Solidago pulchra (not in RAB)	Carolina Goldenrod	C	C2	S2	G2Q
C: savannas (Brunswick*, Carteret*, Onslow*, Pamlico, Pender*)					
Solidago rigida ssp. glabrata (not in RAB)	Southeastern Bold Goldenrod	SR		S1	G5T?
P: diabase glades (Durham, Granville*, Mecklenburg, Person)					
Solidago rigida ssp. rigida	Prairie Bold Goldenrod	C		SH	G5T?
M: forest openings, presumably on mafic or calcareous rocks (Haywood, Madison)					
Solidago spithamaea	Blue Ridge Goldenrod	E	T	S1	G1
M: high elevation rocky summits (Avery*, Mitchell*)					
Solidago uliginosa	Bog Goldenrod	SR		S1S2	G4G5
MSP: bogs, seeps (Ashe*, Haywood?, Macon*, Moore?, Rutherford?, Transylvania?,					

Watauga?, Yancey?)

Solidago verna	Spring-flowering Goldenrod	E	C2	S2	G2?
CS: dry pinelands (Bladen*, Brunswick*, Columbus, Craven*, Cumberland*, Harnett*, Hoke*, Johnston*, Jones*, Moore, New Hanover, Onslow*, Pamlico*, Pender*, Sampson*, Scotland)					
Solidago (also see Chrysoma)					
Sparganium angustifolium (= S. chlorocarpum)	Greenfruit Bur-reed	SR		SH	G5
M: pondshores (Avery)					
Spartina pectinata	Freshwater Cordgrass	SR		S1	G5
MCS: freshwater marshes, spray zones of waterfalls, other moist sites (Alleghany, Ashe, Chowan, Mitchell, Montgomery, Transylvania)					
Spiraea virginiana	Virginia Spiraea	E	T	S1	G1
M: riverbanks (Ashe*, Buncombe, Graham, Macon*, Yancey*)					
Spiranthes laciniata	Lace-lip Ladies'-tresses	C		S1	G4G5
C: moist wet habitats (Beaufort, Brunswick*, Columbus, Onslow*)					
Spiranthes longilabris	Giant Spiral Orchid	C		S1	G3
C: savannas (Bladen, Brunswick*, Carteret*, Pender)					
Spiranthes ochroleuca (not in RAB)	Yellow Ladies'-tresses	SR		S1	G4
M: grassy balds, meadows, wooded slopes (Ashe*, Avery, Buncombe, Haywood, Watauga*, Yancey)					
Sporobolus heterolepis	Prairie Dropseed	E		S1	G5
M: olivine barrens (Clay*, Jackson)					
Sporobolus teretifolius	Wireleaf Dropseed	T	C2	S2	G2?
CS: wet savannas (Bladen, Brunswick*, Carteret*, Columbus*, Duplin, Greene, Hoke*, Jones, Lenoir, Onslow*, Pender*, Robeson, Sampson, Scotland)					
Stachys clingmanii	Clingman's Hedge-nettle	C		S1	G3Q
M: spruce-fir forests, northern hardwoods forests (Graham, Haywood, Jackson, Swain)					
Stachys eplingii (not in RAB)	Epling's Hedge-nettle	SR		S1	G5
M: bogs (Burke, Henderson, Jackson)					
Stellaria alsine	Longstalk Starwort	SR		S1	G5
M: seeps (Madison)					
Stellaria corei	Core's Starwort	SR		S3	G3
M: coves, seeps, northern hardwoods forest (Avery*, Buncombe*, Caldwell, Catawba, Clay*, Haywood, Jackson*, Macon*, Mitchell*, Polk, Swain*, Watauga*, Yancey)					
Streptopus amplexifolius	White Mandarin	C		S1	G5
M: spruce-fir forests, northern hardwoods forests (Buncombe*, Macon, Mitchell, Swain, Yancey)					
Stylisma aquatica (= Bonamia aquatica)	Water Dawnflower	SR		S1	G3G4
C: moist sandy pinelands (Brunswick, Scotland)					
Stylisma pickeringii var. pickeringii (= Bonamia p.)	Pickering's Dawnflower	E	C2	S2	G4?T2
SC: sandhills (Cumberland*, Hoke*, Moore*, New Hanover, Richmond*, Scotland*)					
Swertia (see Frasera)					
Synandra hispidula	Synandra	C	3C	SH	G3
M: rich cove forests (Swain)					
Syngonanthus flavidulus	Yellow Hatpins	SR		S2	G5
C: savannas (Bladen*, Brunswick*, Craven, Cumberland, New Hanover, Onslow*, Sampson)					
Synosma suaveolens (= Cacalia suaveolens)	Sweet Indian-plantain	C		SH	G4?
M: bottomlands (Buncombe, Henderson, Transylvania)					
Taxus canadensis (not in RAB)	Canada Yew	SR		S1	G5
M: bogs, swamp forests under spruce (Ashe*, Watauga*)					
Thalictrum cooleyi	Cooley's Meadowrue	E	E	S1	G1
C: wet savannas (Brunswick*, Columbus*, New Hanover, Onslow*, Pender*)					
Thaspium pinnatifidum	Mountain Thaspium	SR		S1	G3G4

M: calcareous slopes (Haywood, Jackson, Madison*, Swain)

Thelypteris simulata (not in RAB)	Bog Fern	T		S1	G5
M: bogs (Avery*)					
Thelypteris (also see Phegopteris)					
Thermopsis fraxinifolia	Ash-leaved Golden-banner	C		S2?	G3?
MP: dry ridges (Buncombe, Burke*, Caldwell, Henderson, Jackson, McDowell, Polk, Stokes, Surry, Transylvania, Yancey)					
Thermopsis mollis	Appalachian Golden-banner	SR		S2?	G3G4
PM: dry ridges and open woodlands (Buncombe, Catawba, Chatham, Durham, Forsyth, Franklin, Gaston, Granville*, Guilford, Henderson, Iredell, Lincoln, Stokes, Surry, Transylvania, Wake, Warren*)					
Tofieldia glabra	Carolina Asphodel	C	C2	S2S3	G2G3
CS: savannas, sandhill seeps, moist sandhill/pocosin ecotones (Beaufort, Bladen, Brunswick*, Carteret*, Columbus*, Craven, Cumberland*, Duplin, Harnett, Hoke*, Johnston, Martin, Moore, New Hanover*, Onslow*, Pamlico, Pender, Richmond, Robeson, Sampson, Scotland*, Wilson)					
Tofieldia glutinosa (= T. racemosa var. glutinosa)	Sticky Bog Asphodel	C		S1	G5
MP: bogs, seepages (especially over mafic rocks) (Ashe*, Caldwell, Haywood*, Henderson, Jackson*, Transylvania*)					
Torreyochloa pallida (= Glyceria pallida)	Pale Mannagrass	SR		S1	G5?
CM: blackwater pools, old millponds, and small stream swamps (Avery, Columbus, Duplin, Gates)					
Tradescantia virginiana	Virginia Spiderwort	SR		S1	G5
P: rich woods on circumneutral soils (Caswell, Harnett*, Montgomery*, Moore*, Orange, Rockingham, Stanly)					
Trichomanes boschianum	Appalachian Filmy-fern	T		S1	G4
M: spray zone of waterfalls, seeps over rock (Jackson*, Macon*, Polk)					
Trichomanes petersii	Dwarf Filmy-fern	T		S1	G3
M: moist rocks in humid gorges (Graham, Macon*, Transylvania*)					
Trichostema brachiatum (not in RAB, = Isanthus brachiatus)	Glade Bluecurls	C		S1	G4G5
PM: diabase glades, other dry calcareous or mafic outcrops (Granville*, Madison, Orange, Yancey)					
Trichostema sp. 1 (not in RAB)	Dune Bluecurls	C	C2	S2	G2
C: dunes, openings in maritime forest and scrub (Brunswick*, Carteret*, Dare*, Hyde*, New Hanover*)					
Tridens carolinianus	Carolina Triodia	C		S1	G2G3
S: sandhills and pine flatwoods (Brunswick, Cumberland*, Hoke*, Richmond*)					
Tridens strictus	Spike Triodia	C		SH	G5
C: pine flatwoods (Duplin, Hoke, Robeson)					
Trientalis borealis (not in RAB)	Starflower	C		S1	G5
M: coves (Haywood*)					
Trifolium carolinianum	Carolina Clover	C		SH	G5
C: savannas, sandy open areas (Duplin, New Hanover, Onslow)					
Trillium discolor	Mottled Trillium	T		S1	G2
M: rich coves in the Savannah River drainage (Jackson*, Transylvania*)					
Trillium flexipes (not in RAB)	Bent White Trillium	C		SH	G5
M: rich coves (Henderson, Swain)					
Trillium pusillum var. 1 (not in RAB)	Alabama Least Trillium	E	C2	S1	G3T3
M: rich cove forests (Haywood, Macon*)					
Trillium pusillum var. pusillum	Carolina Least Trillium	E	C2	S1	G3T1
CP: ecotones between savannas and nonriverine wet hardwood forests, over marl (Nash*, Pender*, Wake)					
Trillium pusillum var. virginianum (not in RAB)	Virginia Least Trillium	E	C2	S1	G3T2
C: mesic hardwood forests (Camden*, Currituck*, Gates*, Halifax*)					

Trillium recurvatum (not in RAB)	Prairie Trillium	C		S1	G5
M: rich coves (Madison*)					
Trillium sessile (not in RAB)	Sessile-flowered Trillium	SR		S1	G4G5
C: rich alluvial levees and slopes (Halifax, Northampton)					
Trillium simile (not in RAB)	Sweet White Trillium	SR		S1	G?
M: rich coves (Burke, Haywood, Madison, Polk, Rutherford, Swain)					
Trisetum spicatum	Soft Trisetum	E		SX	G5T4T5
M: grassy balds and/or high elevation rocky summits (Mitchell)					
Uniola (see Chasmanthium)					
Urtica chamidryoides (= U. chamaedryoides)	Dwarf Stinging Nettle	SR		S1	G4G5
C: rich alluvial levees (Bertie*, Halifax*)					
Utricularia geminiscapa (not in RAB)	Two-flowered Bladderwort	C		SH	G4G5
C: seepage zone on Suffolk Scarp (Beaufort)					
Utricularia minor (not in RAB)	Small Bladderwort	C		SH	G5
M: bogs (Watauga)					
Utricularia olivacea	Dwarf Bladderwort	T		S2	G4
C: limesink ponds (Brunswick*, Carteret*, Craven, New Hanover*, Onslow*, Pender*)					
Utricularia resupinata (not in RAB)	Northeastern Bladderwort	SR		S1	G4?
C: natural lakes (blackwater) (Washington)					
Vaccinium hirsutum	Hairy Blueberry	C		S1S2	G3?
M: ridgetop red oak forests (Cherokee*, Graham, Swain)					
Vaccinium macrocarpon	Cranberry	C		S2	G4
MC: bogs, seeps, pocosins (Alleghany*, Ashe*, Avery*, Bladen, Brunswick*, Burke*, Currituck, Dare*, Haywood*, Watauga*)					
Veratrum (see Melanthium)					
Verbena riparia	Riverbank Vervain	C	C2	SH	GH
P: habitat not known (Caldwell, Stanly)					
Verbesina walteri (not in RAB)	Walter's Crownbeard	C		SH	G3G4
M: rich cove forests (Polk)					
Veronica americana	American Speedwell	SR		S2	G5
MC: seeps, bogs (Alleghany*, Ashe*, Avery*, Craven?, Madison*, Mitchell, Watauga, Yancey)					
Warea cuneifolia	Carolina Pineland-cress	C		SH	G4
S: sandhills (Harnett)					
Woodsia ilvensis	Rusty Cliff Fern	SR		S1	G5
M: cliffs, rock outcrops (Ashe*, Surry*)					
Woodsia appalachiana (= W. scopulina)	Appalachian Cliff Fern	SR		S1	G?
M: cliffs, rock outcrops (Alleghany*, Ashe, Buncombe, McDowell*, Polk*, Wilkes)					
Xyris brevifolia	Short-leaved Yellow-eyed Grass	SR		S1	G4G5
C: savannas, other low wet areas (Brunswick*, Columbus, Onslow, Pender*)					
Xyris difformis var. floridana (not in RAB)	Florida Yellow-eyed-grass	SR		SH	G5T?
C: savannas (Onslow)					
Xyris elliottii (not in NC in RAB)	Elliott's Yellow-eyed Grass	SR		S1	G4
C: low wet areas (Onslow*)					
Xyris flabelliformis	Savanna Yellow-eyed Grass	C		S1	G4
C: savannas (Brunswick, Carteret, Onslow*)					
Yucca gloriosa	Moundlily Yucca	SR		S2?	G?
C: dunes (Beaufort, Brunswick*, Carteret, Dare, Hyde, New Hanover, Onslow)					
Zigadenus elegans ssp. glaucus (= Z. glaucus)	White Camas	C		S1	G5TU
M: calcareous rock outcrops (Buncombe, McDowell*, Yancey)					
Zigadenus leimanthoides	Pinebarren Death-camas	SR		S1	G4Q
M: high elevation rocky summits, thin soil at high elevations (Ashe, Avery*, Burke*, Yancey)					

Barbula (see Bryoerythrophyllum)					
Bartramidula wilsonii (= B. cernua)	Dwarf Apple Moss	SR		S1	G3?
M: in spray zones of waterfalls, moist rocks in humid gorges (Jackson, Macon, Rutherford, Transylvania*)					
Brachydontium trichodes	Peak Moss	C		S1	G2?
M: on moist rocks in spruce-fir forests (Mitchell*, Swain)					
Brachymenium andersonii	Anderson's Brachymenium	C	C1*	SH	GH
M: on humus in acidic cove forests (mixed hardwood-hemlock) (Macon)					
Brachymenium systylium	Mexican Brachymenium	C		S1	G5
M: on humus in acidic cove forests (mixed hardwood-hemlock) (Macon)					
Brachythecium populeum	Matted Feather Moss	SR		SH	G5
M: mountain forests (Caldwell)					
Brachythecium rotaeanum	Rota's Feather Moss	SR		S1	G3G4
M: on bark or rock in cove forests (Jackson, Martin, McDowell)					
Bryocrumia vivicolor (= B. andersonii)	Gorge Moss	E	C2	SH	G1
M: rocks and streambanks in humid gorges, spray zones of waterfalls (Jackson, Transylvania)					
Bryoerythrophyllum inaequalifolium (=Barbula i.)	A Moss	C		S1	G4?
M: on thin soil over shale (McDowell)					
Bryoxiphium norvegicum	Sword Moss	SR		S1	G3?
M: rocks in humid gorges, spray zones of waterfalls (Jackson*, Macon*, McDowell)					
Bryum riparium	A Moss	C		SH	G?
M: spray zones of waterfalls (Transylvania)					
Buxbaumia aphylla	Bug-on-a-stick	SR		SH	G2G3
M: forests, roadside banks (Haywood)					
Buxbaumia minakatae	Hump-backed Elves	C		SH	G2G3
M: on rotten logs and stumps in mountain forests					
Campylium stellatum (var. stellatum)	Yellow Starry Fen Moss	SR		S1	G5T5
M: fens (Ashe)					
Campylopus atrovirens var. cucullatifolius	Cliff Campylopus	SR		S1	G4?T3?
M: cliffs, high elevation rocky summits (Ashe, Haywood*, Macon, Transylvania*)					
Campylopus carolinae	Savanna Campylopus	C	C2	S1	G1
C: savannas (Brunswick, Carteret)					
Campylopus oerstedianus	Oersted's Campylopus	C		S1	G1G3
P: granite flatrocks (Wake)					
Campylopus paradoxus	Paradoxical Campylopus	C		S1	G3?
M: high elevation rock outcrops (Avery)					
Cirriphyllum piliferum	A Moss	SR		S1	G5
M: moist rocks, wet by seepage or waterfall spray (Jackson, McDowell, Swain, Transylvania*, Wilkes)					
Coscinodon cribrosus (= Grimmia cribrosa)	Copper Grimmia	C		S1	G3G5
M: high elevation rocky summits (Alleghany)					
Dichodontium pellucidum	A Moss	SR		S2	G4G5
M: seepage or spray zones of waterfalls on mafic or calcareous rocks (Ashe, Haywood, Jackson, Macon, McDowell, Mitchell, Swain, Transylvania)					
Dicranum undulatum	Bog Broom-moss	SR		S1	G5
M: bogs, seeps (Avery*, Burke, Haywood, Yancey)					
Ditrichum ambiguum	Ambiguous Ditrichum	C		S1	G3?
M: acidic cove forests (Macon)					
Drepanocladus (see Warnstorfia)					
Encalypta procera	Extinguisher Moss	SR		S1	G4G5
M: on moist calcareous rocks (Macon, McDowell)					

Entodon compressus	Flattened Entodon	C		S1	G3G4
MP: on moist calcareous rocks (Macon, McDowell, Person, Rockingham)					
Entodon concinnus	Lime Entodon	C		S1	G5
M: on moist calcareous rocks (McDowell)					
Entodon sullivantii	Sullivant's Entodon	SR		S2	G3G4
M: on rocks or bark in humid gorges and cove forests (Buncombe, Caldwell, Graham, Macon, McDowell, Polk, Transylvania*)					
Eucladium verticillatum	Lime-seep Eucladium	SR		S1	G5
M: on moist calcareous rocks (McDowell)					
Eurhynchium (see Platyhypnidium)					
Fissidens hallii	Hall's Pocket Moss	C		S1	G2
C: on bark in cypress-gum swamps (Jones)					
Grimmia (see Coscinodon)					
Homalia trichomanoides	Lime Homalia	C		S1	G5
M: in spray zones of waterfalls, on rocks in humid gorges (Avery*, Jackson, Macon, McDowell, Transylvania*)					
Homaliadelphus sharpii	Sharp's Homaliadelphus	C		S1	G2G3
M: on dry mafic or calcareous rocks in gorges (Jackson)					
Hygrohypnum closteri	Closter's Brook-hypnum	SR		S1	G3
MP: on rocks submersed in streams (McDowell, Orange, Polk, Swain)					
Leptodontium excelsum	Grandfather Mtn. Leptodontium	C		S1	G2?
M: on bark of Fraser Firs and Red Spruces in spruce-fir forests (Avery, Haywood, Jackson, Swain, Transylvania)					
Leptodontium flexifolium	Pale-margined Leptodontium	SR		S1	G5
M: high elevation rocky summits and moist calcareous rocks (Ashe, Avery*, Haywood, Swain, Transylvania, Yancey)					
Leptohymenium sharpii (= Pterigynandrum sharpii)	Mount Leconte Moss	C	C2	S1	G1G2
M: moist rocks in spruce-fir forests (Haywood, Yancey)					
Lindbergia brachyptera	Lindberg's Maple-moss	SR		S1	G5
M: bark of hardwoods (Ashe, Cherokee, Watauga*)					
Macrocoma sullivantii	Sullivant's Maned-moss	SR		S2	G3G5
MP: bark of cedar or hardwoods (Clay, Jackson, Macon, Transylvania*, Wilkes)					
Mnium (see Plagiomnium)					
Orthodontium pellucens	Translucent Orthodontium	C		S1	G3?
MP: moist felsic or calcareous rocks (Stokes, Swain)					
Orthotrichum keeverae	Keever's Bristle-moss	E	C2	S1	G1
P: on trees around low elevation granitic domes (Alexander*, Wilkes)					
Orthotrichum obtusifolium	Blunt Bristle-moss	SR		S1	G5
M: bark of hardwoods (Ashe)					
Palamocladium leskeoides	Palamocladium	C		S1	G3G5
M: calcareous rocks in humid gorges (Jackson)					
Plagiomnium carolinianum (= Mnium carolinianum)	Carolina Mnium	C	C2	S2	G2G3
M: rocks and streambanks in humid gorges (Jackson, Macon, Swain, Transylvania*)					
Platydictya confervoides	Alga-like Matted-moss	SR		S1	G4G5
M: calcareous rocks (Madison, McDowell)					
Platyhypnidium pringlei (= Eurhynchium pringlei)	Pringle's Eurhynchium	C	C2	S1	G2
M: rocks and streambanks in humid gorges, spray zones of waterfalls (Polk, Transylvania*)					
Pterigynandrum (see Leptohymenium)					
Rhabdoweisia crenulata	Himalayan Ribbed-weissia	C		S1	G3G4
M: moist rocks in cove forests in humid gorges (Jackson*, McDowell)					
Rhachithecium perpusillum (= Tortula propagulosa)	Budding Tortula	C		S1S2	G1G2
PM: bark of hardwoods (Cleveland, Iredell, McDowell, Mecklenburg, Surry, Wilkes)					
Rhytidium rugosum	Golden Tundra-moss	SR		S2	G5

M: high elevation rocky summits, grassy balds, glades, over mafic rocks (Ashe*, Avery*, Buncombe, Mitchell*, Watauga*)

Schlotheimia lancifolia	Highlands Moss	T	C2	S1	G2
M: on bark of hardwoods in cove forests (Graham, Jackson, Macon*, Transylvania)					
Scopelophila cataractae	Agoyan Cataract Moss	C		S1	G3G4
MP: copper-rich soils (McDowell, Rowan*)					
Scopelophila ligulata	Copper Moss	SR		S1	G5?
M: copper-rich soils and rock-faces (granite, limestone, mica schist) (Clay, Graham*, Jackson*, McDowell, Swain, Transylvania)					
Sphagnum angustifolium	Narrowleaf Peatmoss	SR		S1	G5T4
M: bogs (Watauga*)					
Sphagnum capillifolium	Northern Peatmoss	SR		S1	G5
M: bogs (Watauga*)					
Sphagnum fallax	Pretty Peatmoss	SR		S1	G5T4
M: bogs (Avery*, Jackson*)					
Sphagnum fitzgeraldii	Fitzgerald's Peatmoss	SR		S2S3	G2G3
C: pocosins and savannas (Bladen, Brunswick*, Carteret, Craven, Onslow, Pamlico*, Pender*)					
Sphagnum flexuosum (var. flexuosum)	Flexuous Peatmoss	SR		S1	G5T5
M: bogs (Watauga*)					
Sphagnum pylaesii	Simple Peatmoss	C		S1	G5
M: seepage cliffs, natural pools (Burke, Jackson)					
Sphagnum russowii	Russow's Peatmoss	SR		S1	G5
M: bogs (Watauga*)					
Sphagnum squarrosum	Squarrose Peatmoss	C		S1	G5
M: spray zones of waterfalls, seepage in spruce-fir forests (Macon, Yancey)					
Sphagnum subsecundum (var. subsecundum)	Orange Peatmoss	C		S1	G5T4
M: bogs and fens (Ashe*, Watauga*)					
Sphagnum tenellum	Delicate Peatmoss	C		S1	G5
M: high elevation granitic domes (Jackson)					
Sphagnum torreyanum	Giant Peatmoss	C		S1	G3G4
SC: beaver ponds and old mill ponds on blackwater creeks (Bladen*, Brunswick, Harnett, Richmond*)					
Sphagnum warnstorfii	Fen Peatmoss	C		S1	G5
M: bogs and fens (Watauga*)					
Splachnum pennsylvanicum	Southern Dung Moss	C		SH	G2?
M: bogs (Avery, Macon)					
Syrrhopodon incompletus	Cuban Schliessmund	C		S1	G5
C: on treetrunks in maritime forests (Brunswick)					
Taxiphyllum alternans	Japanese Yew-moss	C		S1	G3?
M: on limestone in spray zones of waterfalls (Macon)					
Tortella flavovirens	Beach Moss	SR		S1	G3G5
C: dune swales (Brunswick*, Carteret, Hyde)					
Tortula ammonsiana	Ammons's Tortula	C	C2	S1	G1
M: shaded rock faces, probably with nutrient-rich seepage (Jackson*)					
Tortula fragilis	Fragile Tortula	SR		S1	G5
M: shaded rock faces, probably with nutrient-rich seepage (Jackson)					
Tortula papillosa	Papillose Tortula	SR		S1	G5
PM: bark of hardwoods (Davie, Madison, Surry)					
Tortula (also see Rhachithecium)					
Warnstorfia fluitans (= Drepanocladus fluitans)	Floating Sickle-moss	SR		S1	G5
M: in spray zones of waterfalls (Jackson)					

LIVERWORTS AND HORNWORTS

Acrobolbus ciliatus	A Liverwort	SR		S1	G3?
M: on moist rocks, in spray zones of waterfalls in humid gorges or in high elevation spruce-fir forests (Haywood, Jackson*, Macon, Yancey)					
Anastrophyllum saxicola	A Liverwort	C		S1	G3G4
M: high elevation rocky summits (Mitchell, Swain)					
Anomylia cuneifolia	A Liverwort	C		S2	G4G5
M: on bark of Fraser Firs or on moist rock, in spruce-fir forests (Haywood, Mitchell, Swain*, Yancey)					
Barbilophozia barbata (= Lophozia barbata)	A Liverwort	SR		S1	G4?
M: on high elevation rocky summits (Ashe*, Avery, Wilkes)					
Barbilophozia hatcheri (= Lophozia hatcheri)	A Liverwort	C		S1	G5
M: on high elevation rocky summits (Ashe*, Avery?, Watauga)					
Bazzania nudicaulis	A Liverwort	C	C2	S2	G2G3
M: on bark of Fraser Fir or on shaded rock in spruce-fir forests (Avery, Caldwell, Mitchell, Swain, Watauga, Yancey)					
Cephaloziella hampeana	A Liverwort	SR		S1	G5
M: fens (Ashe)					
Cephaloziella obtusilobula	A Liverwort	C	C2	SH	G1
M: high elevation cliffs or other moist rocks (Burke, Macon)					
Cephaloziella spinicaulis	A Liverwort	C		S1	G3G4
M: in crevices of rock outcrops, primarily high elevation rocky summits (Alleghany, Ashe, Cherokee, Haywood*, Macon, Watauga)					
Cheilolejeunea evansii	A Liverwort	C	C2	SH	GH
M: on bark of hardwoods in humid gorges (Jackson, Transylvania)					
Cheilolejeunea myriantha	A Liverwort	SR		SH	G3G4
MC: on tree bark in sandhills or mountain forests (Sampson, Transylvania)					
Cheilolejeunea rigidula	A Liverwort	SR		S2	G5
C: on bark in maritime forests, and in blackwater swamp forests (Bladen, Brunswick, Columbus, Hyde, Onslow)					
Chiloscyphus appalachianus	A Liverwort	C	C2	S1	G1
M: on rock faces in spray zone of waterfalls (Macon, Jackson)					
Chiloscyphus muricatus (= Lophocolea muricata)	A Liverwort	C		S1	G5
M: on rocks or bark in humid gorges (Macon, Jackson*, Transylvania*)					
Cylindrocolea andersonii	A Liverwort	C	C1*	SH	GH
C: banks of blackwater rivers (Sampson)					
Cylindrocolea rhizantha	A Liverwort	C		SH	G3?
C: on marl outcrops (Columbus)					
Drepanolejeunea appalachiana	A Liverwort	C		S1	G2?
M: on moist rock, rhododendron bark, and rhododendron leaves in humid gorges (Burke*, Clay, Jackson*, Macon, Transylvania)					
Lejeunea bermudiana	A Liverwort	SR		SH	G3G4
C: on marl outcrops or on decaying logs in blackwater swamps, or tree bases in swamps (Brunswick, Carteret, Columbus)					
Lejeunea blomquistii	A Liverwort	C	C2	S1	G1
M: on dead tree bark or vertical rock faces in spray zone of waterfalls (Macon)					
Lejeunea cavifolia	A Liverwort	SR		S1	G5
M: on shaded mafic rocks (Ashe, Polk, Swain, Watauga)					
Lejeunea dimorphophylla	A Liverwort	C		S1	G2G3
C: on bark in maritime forests (Brunswick*, Carteret)					
Lejeunea glaucescens var. acrogyna	A Liverwort	C		SH	G5TH
C: on shaded rock at the piedmont/coastal plain fall line (Harnett)					
Leptoscyphus (see Anomylia)					

Lophocolea (see Chiloscyphus)					
Lopholejeunea muelleriana	A Liverwort	C		SH	G4G5
C: on bark of gums and cypresses in blackwater swamp forests (Carteret, Columbus)					
Lophozia excisa	A Liverwort	SR		S1	G5
M: on high elevation rocky summits (Ashe)					
Lophozia heterocolpa	A Liverwort	C		S1	G5
M: on high elevation rocky summits (Ashe*)					
Lophozia (also see Barbilophozia)					
Mylia taylorii	A Liverwort	SR		S1	G5
M: moist rock outcrops at high elevations, spray zone of waterfalls (Avery*, Jackson*, Yancey)					
Nardia scalaris (ssp. scalaris)	A Liverwort	C		S1	G5T5
M: on high elevation rocky summits and on moist rocks in spruce-fir forests (Buncombe*, Haywood, Swain)					
Plagiochila austinii	A Liverwort	SR		S1S2	G3
M: moist rocks (Avery*, Burke*, Jackson, Macon, Madison*, Swain, Transylvania, Watauga)					
Plagiochila caduciloba	A Liverwort	C	C2	S1	G2
M: rocks and streambanks in humid gorges, spray zone of waterfalls (Burke*, Clay, Haywood, Jackson*, Macon, Transylvania*, Yancey)					
Plagiochila columbiana	A Liverwort	C	C2	SH	G1
P: on thin soil over boulders on floodplains (Durham, Orange)					
Plagiochila corniculata	A Liverwort	C		S2	G3?
M: on bark of Fraser Firs in spruce-fir forests, rarely on hardwoods, occasionally on rock (Avery*, Buncombe, Haywood, Jackson, Macon, Mitchell, Swain*, Transylvania, Yancey)					
Plagiochila echinata	A Liverwort	C	C2	S1	G1
M: rocks and streambanks in humid gorges, spray zone of waterfalls (Burke*, Graham, Jackson, Macon, Polk, Transylvania)					
Plagiochila ludoviciana	A Liverwort	SR		S1	G5
CM: on bark in coastal plain swamps, on bark or moist rock in mountain gorges (Brunswick, Cherokee, Transylvania, Washington)					
Plagiochila miradorensis (var. miradorensis)	A Liverwort	SR		S1	G3G5
C: on bark in maritime forests and swamps (Carteret, Jones, Pamlico)					
Plagiochila sharpii	A Liverwort	C	C2	S2	G2
M: damp rockfaces in humid gorges, high elevation rocky summits (Clay, Haywood, Jackson*, Macon, McDowell, Swain, Transylvania*, Yancey)					
Plagiochila sullivantii var. spinigera	A Liverwort	C	C2	S1	G2T1
M: on moist rocks in spray zones of waterfalls (Burke, Jackson)					
Plagiochila sullivantii var. sullivantii	A Liverwort	C	C2	S2	G2T2
M: on moist rocks (rarely bark), in spray zones of waterfalls and in spruce-fir forests (Ashe, Avery*, Burke, Caldwell, Clay, Graham*, Haywood, Jackson, Macon, McDowell*, Mitchell, Polk, Swain, Transylvania, Watauga, Yancey)					
Plagiochila virginica var. caroliniana	A Liverwort	C	C2	S1	G3T2
M: rockfaces in spray zone of waterfalls, other moist rockfaces (Avery, Jackson, Macon, Transylvania)					
Plagiochila virginica var. euryphylla	A Liverwort	C	C2	S1	G3T1
M: rockfaces in spray zone of waterfalls (Transylvania)					
Plagiochila virginica var. virginica	A Liverwort	SR		S1	G3T3
M: on limestone (McDowell*)					
Porella appalachiana	A Liverwort	C	C2	S1	G1
M: on rocks in spray zones of waterfalls (Macon)					
Porella wataugensis	A Liverwort	C		S1	G1
M: on rocks in humid gorges (Burke, Graham, Macon, Watauga)					

Ptilidium ciliare	A Liverwort	C		S1	G5
M: on soil in high elevation forests (Mitchell)					
Radula sullivantii	A Liverwort	C		S2	G3
M: on moist rocks, mostly in spray zones of waterfalls (Clay, Jackson, Macon, Transylvania*)					
Radula voluta	A Liverwort	C		S1	G1G3
M: on moist rocks in spray zones of waterfalls (Macon*)					
Riccardia jugata	A Liverwort	C		S1?	G1?
M: on fallen logs in humid areas, especially gorges (Graham*, Haywood*, Macon)					
Scapania mucronata	A Liverwort	C		S1	G?
M: high elevation rocky summits (Ashe)					
Sphenolobopsis pearsonii	A Liverwort	C	C2	S2	G2
M: on bark of Fraser Firs in spruce-fir forests (Avery*, Haywood, Jackson, Mitchell, Swain*, Yancey)					
Tritomaria exsectiformis (ssp. exsectiformis)	A Liverwort	C		SH	G5T5
M: on high elevation rocky summits (Ashe)					

LICHENS

Anaptychia setifera	A Foliose Lichen	SR		S1	G3G4
M: high elevation rocky summits (Mitchell*)					
Anzia americana	A Foliose Lichen	C		S1	G2
M: on bark of trees in humid gorges (Transylvania)					
Anzia ornata	A Foliose Lichen	SR		SH	G3
C: on bark of trees (Duplin)					
Cetraria arenaria	A Foliose Lichen	SR		S2	G4
M: high elevation rocky summits (Ashe*, Avery*, Macon, Mitchell*)					
Cetrelia cetrarioides	A Foliose Lichen	SR		S2	G?
M: on bark of deciduous or coniferous trees at high elevations (spruce-fir zone) (Buncombe, Haywood, Jackson, Mitchell, Swain, Yancey)					
Cladonia psoromica	Bluff Mtn. Reindeer Lichen	C	C2	S1	G1
M: fens and glades over amphibolite rock (Ashe*)					
Ephebe americana	A Fruticose Lichen	C		S1	G2G3
M: high elevation rocky summits (Haywood, Jackson, Watauga)					
Ephebe lanata	A Fruticose Lichen	SR		S1	G5
MP: on rocks in rapidly flowing water (Jackson, Macon, Stokes)					
Ephebe solida	A Fruticose Lichen	SR		S1	G3G4
M: on rocks in rapidly flowing water (Macon, Transylvania)					
Gymnoderma lineare	Rock Gnome Lichen	T	C2	S2	G2
M: high elevation rock outcrops, outcrops in humid gorges (Ashe*, Avery*, Buncombe*, Jackson*, Mitchell*, Rutherford*, Swain*, Transylvania*, Yancey*)					
Heterodermia appalachensis	A Foliose Lichen	SR		S1S2	G2G4
MP: rocks or bark (Avery, Jackson, Stokes, Transylvania)					
Hydrothyria venosa	An Aquatic Lichen	C		S1	G3
MP: submersed in brooks and streams (Avery*, Graham*, Haywood*, Stokes, Transylvania*)					
Hypotrachyna sinuosa	A Foliose Lichen	SR		S1	G5
M: on twigs or rocks at high elevations (spruce-fir zone) (Haywood, Jackson, Mitchell, Yancey)					
Hypotrachyna virginica	A Foliose Lichen	C		S1S2	G1G3
M: on twigs or rocks at high elevations (spruce-fir zone) (Avery, Buncombe, Haywood, Mitchell, Swain, Yancey)					

Melanelia stygia (= Parmelia stygia)	A Foliose Lichen	SR	S1S2	G4G5
M: high elevation rocky summits (Ashe, Avery, Buncombe*, Haywood, Mitchell)				
Pannaria conoplea (=P. pityrea)	A Foliose Lichen	SR	S1	G3G4
M: on bark at high elevations (Haywood)				
Parmelia (see Melanelia)				
Physcia pseudospeciosa	A Foliose Lichen	C	S1	G1?
M: high elevation granitic domes (Alleghany, Jackson)				
Porpidia diversa	A Crustose Lichen	SR	S1	G2G3
M: high elevation rocky summits				
Porpidia herteliana	A Crustose Lichen	SR	S1?	G2G3
M: high elevation rocky summits				
Sticta limbata	A Foliose Lichen	SR	S1	G?
M: on bark of hardwoods at high elevations (Haywood)				
Teloschistes flavicans	A Fruticose Lichen	SR	S1	G3G4
C: on twigs in maritime forests (Brunswick*, Carteret)				
Xanthoparmelia monticola (= Parmelia monticola)	A Foliose Lichen	C	S2?	G2
M: high elevation rocky summits (Buncombe, Haywood, Jackson, Mitchell)				

NORTH CAROLINA PLANT WATCH LIST

The North Carolina Plant Watch List includes plant species which are rare or otherwise threatened with serious decline, but which have not yet been placed on the Rare Plant List of North Carolina. Watch List species are additional indicators of significant habitats, and their presence should be considered in planning natural area protection efforts, though obviously with less weight than higher priority rare species and natural communities. The North Carolina Natural Heritage Program maintains paper files on these species, but does not include them in its map and computer files. Plants placed on this list fall into a number of categories, discussed below. The North Carolina Natural Heritage Program requests additional information about these species, in order to clarify their status and reclassify them into other appropriate and more specific categories.

Reasons for the current placement of rare species on the Watch List rather than at a higher rarity status (Endangered, Threatened, Candidate, or Significantly Rare) are variable. The taxonomic validity of some of these species is currently in doubt. For others, the Natural Heritage Program lacks adequate documentation of their historic or present occurrence in North Carolina. Others are known to be rare in North Carolina, but it appears that they are likely exotic to the state. For most species, however, their actual rarity is poorly known and we are requesting more data before such species receive a higher, and more formal, rarity status.

To indicate the reasons for each species' current placement, the following six Watch Categories have been devised. All species falling into the first five categories are listed below. Regionally Rare Plants (Watch Category 6) are presented in a separate list following. A list of Potential "New-to-North Carolina" species also follows.

Watch Category 1 (W1) includes species with inadequate information about their distribution and rarity in North Carolina. These are generally species which have not been previously listed as rare in North Carolina, but which appear to be so, based on herbarium records and field experience of Natural Heritage Program staff, contractees, and cooperating scientists. Further information is needed in order to determine the true status of these species in North Carolina. We request locality and population data on these species. Examples: Carex bromoides ssp. montana.

Watch Category 2 (W2) includes species which are not presently considered to be valid taxa. If further study reveals that these are valid taxa, they would warrant addition to the Rare Plant List as Endangered, Threatened, Candidate, or Significantly Rare. This category has been used sparingly, for named taxa which currently appear to have some significant chance of being proved valid. We request data on taxonomic validity, as well as data on localities and populations. Examples: Dioscorea hirticaulis, Lindernia saxicola, Minuartia alabamensis.

Watch Category 3 (W3) includes species which have been reported from North Carolina without adequate documentation. These species should be listed at a higher level, if their reported occurrence in North Carolina is true. This category includes sight records, old and vague reports for which no

documentation has appeared, and, in a few cases, more recent literature reports for which we have not yet received documentation. We request data documenting native occurrence in North Carolina, as well as locality and population data. Examples: Agrimonia incisa, Gaultheria hispidula, Sporobolus asper.

Watch Category 4 (W4) includes species known to occur in North Carolina which current data seem to indicate are not native to North Carolina, but whose native occurrence is plausible. Some of these species were previously listed at a higher level, but field investigations suggest that all known North Carolina occurrences are introductions. We request data documenting the native occurrence of the species in North Carolina. Examples: Angelica atropurpurea, Chrysopsis pilosa, Hypericum frondosum.

Watch Category 5 (W5) includes species which have declined sharply in North Carolina, but which do not appear yet to warrant site-specific monitoring. Most species in this category have undergone declines of over 50 percent (in many cases over 90 percent) from their pre-Columbian status. Reasons for decline include exotic pests or pathogens, massive modification of the landscape, suppression of natural fires, failure of reproduction, and heavy exploitative use. Since many of these species were once abundant or even dominant in parts of North Carolina, they may still be fairly common or frequently encountered, despite the strong decline. If current trends continue, however, many of these species will be threatened with extirpation in all or a major part of their ranges in North Carolina. Examples: Abies fraseri, Juglans cinerea.

Watch Category 6 (W6) includes species which are rare in one region of North Carolina, while being uncommon to abundant within another region. These regional rarities, generally within-state disjuncts, are significant for protection of genetic variation and long-term viability of species. Species in Watch Category 6 are listed separately, by physiographic province, at the end of the main Watch List.

Scientific Name Province: Habitat	Common Name	N.C. Status	U.S. Status	N.C. Rank	Global Rank
VASCULAR PLANTS					
Abies fraseri M: spruce-fir forests	Fraser Fir	W5	C2	S2	G3
Acer nigrum (= Acer saccharum ssp. nigrum) M: rich cove forests (Ashe, Madison, Swain, Yancey)	Black Maple	W1		S1?	G5Q
Acmella oppositifolia (= Spilanthes americana var. repens) CP: low wet areas in alluvial forests (New Hanover, Robeson, Stanly)	Creeping Spotflower	W1		S1	G5
Agalinis fasciculata C: savannas, limesink ponds (Brunswick*, Craven, Dare, New Hanover, Onslow*, Pender*, Richmond)	Clustered Gerardia	W1		S2	G5
Agalinis tenella C: savannas, flatwoods (Carteret*, Columbus, Jones, New Hanover, Onslow*, Scotland, Wake?)	A Gerardia	W1		S1	G3G5Q
Agastache nepetoides P: oak-hickory forests, especially over mafic rocks (Durham, Moore, Rockingham, Stokes, Transylvania, Wake, Warren)	Yellow Giant-hyssop	W1		S1	G5
Agastache scrophulariifolia (= A. scrophulariaefolia) M: rich cove forests, northern hardwoods forests (Alleghany, Ashe*, Avery*, Buncombe, Caldwell, Haywood, Henderson, Jackson, Macon, McDowell, Stokes, Swain, Transylvania, Watauga)	Purple Giant-hyssop	W1		S2S3	G4
Agrimonia incisa (not in NC in RAB) CS: sandhill/pocosin ecotones	Cutleaf Agrimony	W3	C2	SR	G2G3
Ampelopsis cordata CPM: floodplain forests (Anson, Buncombe, Cabarrus, Edgecombe, Madison, Martin, Nash, Rowan, Union)	Heartleaf Peppervine	W4		SE?	G5?
Amsonia ciliata SC: sandhills (Anson, Bladen, Moore*, Richmond, Scotland, Wake)	Fringed Bluestar	W1		S2	G5?
Andropogon capillipes (= A. virg. var. glaucus; not in RAB) C: savannas (Bladen, Brunswick*, Columbus, New Hanover, Onslow*)	A Broomsedge	W1		S2?	G5T4
Andropogon tracyi (not in RAB) SCP: sandhills, other dry soils (Gates, Granville, Harnett, Johnston, Scotland)	Tracy's Bluestem	W1		S1	G3G5
Anemone minima (not in RAB) M: forests, openings	Dwarf Thimbleweed	W3		SR	G3
Angelica atropurpurea M: roadsides (Haywood)	Purple-stem Angelica	W4		SE?	G5
Anthaenantia rufa CS: savannas (Bladen, Brunswick*, Carteret*, Columbus, Cumberland*, Duplin, Moore, New Hanover, Onslow*, Pender*)	Purple Silkyscale	W1		S2	G5
Anthaenantia villosa SC: moist pinelands (Columbus, Cumberland*, Duplin, Harnett, Hoke, Johnston, Richmond, Scotland)	Green Silkyscale	W1		S2S3	G4G5
Apium (see Ciclospermum)					
Arenaria lanuginosa C: maritime grasslands and forests, other sandy sites, shell middens, coquina limestone (marl) outcrops (Beaufort, Brunswick, Carteret, Craven, Dare, Jones, Onslow, Pender)	Spreading Sandwort	W1		S2?	G5
Asclepias longifolia	Longleaf Milkweed	W1		S2?	G4G5

CS: savannas, sandhill seeps (Brunswick, Carteret, Columbus, Craven*, Cumberland, Dare, Johnston, Onslow, Pender)

Asclepias purpurascens	Purple Milkweed	W1	S1?	G4G5
PMC: swamps, bottomlands (Buncombe, Davidson, Forsyth, Hertford*, Orange)				
Asclepias tuberosa ssp. rolfsii	Sandhills Butterflyweed	W1	S1?	G5T?
S: sandhills (Lee, Moore, Richmond)				
Asplenium pinnatifidum	Lobed Spleenwort	W1	S1	G5
PM: acidic rock outcrops and cliffs (Caldwell, Henderson, Jackson, Wilkes)				
Asplenium platyneuron var. bacculum-rubrum (not in RAB)	Maritime Spleenwort	W1	S1	G5T?
C: maritime forests (Brunswick*, Dare, New Hanover)				
Asplenium resiliens	Blackstem Spleenwort	W1	S2	G5
MP: calcareous rock outcrops (Avery*, Jackson, Macon, Madison*, McDowell*, Rutherford, Stanly, Swain, Transylvania*, Yadkin)				
Asplenium X ebenoides (not in RAB)	Scott's Spleenwort	W3	SR	G?
M: calcareous rock outcrops (Madison?)				
Aster lanceolatus (= A. simplex)	White Panicle Aster	W1	S2?	G3
CP: bottomlands				
Aster puniceus var. firmus (not in RAB) [= A. lucidulus]	Purple-stem Aster	W1	S1	G5T?
M: moist places (Buncombe)				
Aster spectabilis	Western Showy Aster	W1	S2?	G5
CP: pine barrens and woodland borders (Pitt*)				
Athyrium filix-femina ssp. angustum	Northern Lady Fern	W3	SR	G5T?
M: rock outcrops and forests at high elevations				
Athyrium (also see Diplazium)				
Baccharis angustifolia	Saltwater False-willow	W1	S2?	G4
C: brackish marshes, shrubby marsh edges (Beaufort, Brunswick, Dare, New Hanover*, Onslow, Pamlico, Pender*)				
Bacopa caroliniana	Blue Water-hyssop	W1	S1	G4G5
C: shallow ponds, marshes, and tidal creeks (Brunswick, New Hanover, Pender)				
Bacopa rotundifolia (not in RAB)	Round-leaf Water-hyssop	W1	SH	G5
C: natural lakes (Hyde)				
Bartonia paniculata	Twining Screwstem	W1	S2	G5
SC: wet savannas, sandhill seeps, other open wet areas (Brunswick, Duplin, Gates, Scotland, Wake)				
Bartonia verna	White Screwstem	W1	S2	G5?
C: savannas, limesink ponds (Bladen, Brunswick, Carteret*, New Hanover, Onslow*, Pender*)				
Boltonia asteroides	White Doll's-daisy	W1	S2?	G5
CM: marshes, savannas, bogs (Brunswick, Columbus, Currituck, Henderson, New Hanover)				
Boltonia diffusa (not in RAB)	Diffuse Doll's-daisy	W1	S1?	G4
C: moist areas				
Bonamia (see Stylisma)				
Brachyelytrum septentrionale (not in RAB)	Northern Shorthusk	W1	S1?	G?
M: northern hardwoods forests (Ashe, Avery, Transylvania)				
Bromus latiglumis (not in RAB)	Riverbank Brome	W1	S1	G5
M: river floodplains (Alleghany)				
Bromus nottowayanus (not in RAB)	Nottoway Valley Brome	W1	S1?	G?
P: rich woods (Rockingham, Surry)				
Buchnera floridana (not including B. americana)	Florida Bluehearts	W1	S2	G?
SC: savannas, pine flatwoods, sandhill seeps (Bladen, Carteret*, Columbus, Craven, Cumberland, Dare*, Hoke*, Moore, New Hanover, Robeson, Warren, Wayne)				
Bumelia (see Sideroxylon)				
Burmannia biflora	Northern Bluethreads	W1	S2S3	G4G5
CS: limesinks, cypress savannas, savannas, and sandhill seeps (Beaufort, Bladen,				

Brunswick, Carteret*, Dare, Harnett, Moore, New Hanover, Onslow*, Scotland)

Calamintha georgiana (= Satureja georgiana)	Georgia Calamint	W1	S1	G5
SC: sandhills (Anson, Robeson)				
Callitriche terrestris (= C. deflexa)	Terrestrial Water-starwort	W1	S2?	G5
CP: low wet places (Anson, Bladen, Catawba, Chatham, Durham, Forsyth, Johnston, Union, Washington)				
Calopogon barbatus	Bearded Grass-pink	W1	S1S2	G5?
C: savannas (Bladen, Brunswick, Carteret*, Harnett, Hoke, Jones, Onslow, Pender)				
Calycanthus floridus var. floridus	Eastern Sweetshrub	W1	S2?	G5T4T5
PM: mesic to dry forests (Alexander, Avery, Cherokee, Durham, Jackson, Randolph, Stanly, Stokes, Transylvania)				
Calystegia soldanella	Seashore False Bindweed	W4	SE?	G5
C: dunes (Dare*)				
Cardamine flagellifera (not in RAB)	Blue Ridge Bittercress	W1	S3	G3
M: seeps, streambanks (Alleghany, Buncombe, Burke, Caldwell, Cherokee*, Clay, Cleveland, Madison*, McDowell, Polk, Watauga, Yadkin)				
Carduus (see Cirsium)				
Carex albicans var. australis (= C. physorhyncha)	Bellow's-beak Sedge	W1	S1	G5T5
CP: dry woods, perhaps associated with calcareous or mafic rock (Alexander, Cabarrus, Camden, Catawba, Chatham, Cumberland, Durham, Jones*, Mecklenburg, Montgomery, Northampton, Wake, Warren)				
Carex albicans var. emmonsii (= C. emmonsii)	Emmons's Sedge	W1	S1S2	G5T5
CSP: dry woods (Durham, Jones*, Onslow*, Richmond, Stokes, Wayne)				
Carex albursina	White Bear Sedge	W1	S1	G5
M: rich cove forests, over mafic or calcareous rocks (Ashe, Haywood, Macon, Madison, Mitchell, Transylvania)				
Carex baileyi	Bailey's Sedge	W1	S2	G4
M: bogs and seeps (Ashe*, Avery*, Mecklenburg, Transylvania, Watauga*)				
Carex bromoides ssp. montana (not in RAB)	Mountain Brome Sedge	W1	S3	G5T3Q
M: bogs, moist areas along streams, seepages in coves				
Carex bullata	Button Sedge	W1	S2?	G5
MPSC: bogs and other wet, peaty places (Alleghany, Cumberland, Forsyth, Henderson, Iredell, Jackson, Macon, Moore, Richmond, Sampson, Wake)				
Carex echinata ssp. echinata (= C. muricata var. angustata)	Star Sedge	W1	S1S2	G5T5
M: bogs and seeps (Alleghany, Ashe, Avery, Clay, Macon, Wilkes)				
Carex elliottii	Elliott's Sedge	W1	S1S2?	G3G4
CS: boggy sites (Bladen, Brunswick, Carteret*, Craven*, Hoke*, Lee, New Hanover, Onslow*, Pamlico, Pender*)				
Carex floridana (= C. nigromarginata var. floridana)	Florida Sedge	W1	S1S2	G?
CSP: dry sandy woods (Brunswick, Dare, Gates, Jones, Mecklenburg, Montgomery, Randolph, Scotland)				
Carex granularis	Limestone Meadow Sedge	W1	S1?	G5
PC: Piedmont bottomlands, coastal plain marl forests (Bladen, Caswell, Durham, Granville, Guilford, Jones*, Mecklenburg, Orange, Person, Rowan, Stokes, Wilson)				
Carex hyalinolepis	Shoreline Sedge	W1	S1?	G4G5
C: marshes (Beaufort, Brunswick, Carteret*, Craven, Hyde, New Hanover, Perquimans, Warren)				
Carex jamesii	James's Sedge	W1	S1S2	
PC: rich woods, especially over mafic rocks (Durham, Lee*)				
Carex leavenworthii	Leavenworth's Sedge	W1	S1	G5
PM: dry woods (Durham, Madison, Randolph, Warren)				
Carex lupuliformis	Hop-like Sedge	W1	S1	G3G4Q
CP: moist bottomlands, especially in calcareous or mafic areas (Forsyth, Granville,				

Jones, Pamlico)

Carex mitchelliana (= Carex crinita var. mitchelliana)	Mitchell's Sedge	W1	S2	G3G4
CSPM: low wet places (Anson, Beaufort, Carteret*, Clay, Craven*, Dare, Gaston, Harnett, Iredell, Jones*, Lenoir, Pasquotank, Scotland, Stokes, Tyrrell)				
Carex oklahomensis (not in RAB)	Oklahoma Sedge	W1	S1	G3?
M: seeps (Graham*)				
Carex oligocarpa	Rich-woods Sedge	W1	S2?	G4
MC: rich woods, mostly over mafic or calcareous rocks (Brunswick, Buncombe, Carteret*, Clay, Dare, Madison)				
Carex ruthii (= Carex muricata var. ruthii)	Ruth's Sedge	W1	S3	G3
M: seeps and bogs (Avery*, Buncombe, Clay, Graham, Haywood*, Jackson, Macon, Mitchell, Swain, Transylvania, Yancey)				
Carex sparganioides	Bur-reed Sedge	W1	S2?	G5
MP: rich cove forests (Alleghany, Ashe, Jackson, Madison, Mitchell, Randolph)				
Carex tenera	Quill Sedge	W1	S1?	G4G5
P: low woods (Anson, Caswell, Davie, Durham, Moore, Richmond, Warren)				
Carex umbellata	Parasol Sedge	W1	S1S2?	G5
MP: rock outcrops and rocky forests (Anson, Avery, Burke, Mitchell, Stokes, Watauga)				
Cassia (see Senna)				
Celastrus scandens	American Bittersweet	W1	S2?	G5
MP: cove forests and rich woods (Buncombe, Guilford, Haywood, Jackson, Madison, McDowell, Mitchell, Stokes, Swain)				
Celtis occidentalis (= C. occidentalis var. occidentalis)	Mountain Hackberry	W1	S1S2?	G5
M: rocky places (Buncombe, Jackson, Macon, Madison, Swain, Warren, Yancey)				
Ceratophyllum muricatum (= C. echinatum)	Prickly Hornwort	W1	S2	G4G5
C: pools, lakes, and estuaries (Beaufort, Brunswick, Dare, Perquimans, Wayne)				
Chamaesyce bombensis (= Euphorbia ammannioides)	Southern Seabeach Sandmat	W1	S2?	G4G5
C: seabeaches (Carteret, Dare, Hyde, New Hanover, Onslow, Pender)				
Chasmanthium sessiliflorum (= Uniola sessiliflora)	Longleaf Spikegrass	W1	S2	G5
CP: hardwood forests (Bertie, Bladen, Brunswick, Craven, Gates, Jones, Richmond)				
Chelone obliqua	Red Turtlehead	W1	S2?	G4
CM: swamp forests, bogs, wet places (Ashe, Gates*, Haywood, Henderson, Hertford, Martin, Nash, New Hanover, Northampton, Pender, Swain, Transylvania)				
Chloris (see Eustachys)				
Chrysopogon pauciflorus (not in RAB)	Goldenbeard	W4	S1	G4G5
C: sandhills (New Hanover)				
Chrysopsis scabrella (not in RAB)	Rough Golden-aster	W1	S1	G4
S: sandhills (Moore)				
Cinna latifolia	Slender Wood-reed	W1	S1S2	G5
M: high elevation forests and openings (Buncombe, Haywood, Macon, Mitchell, Swain, Watauga, Yancey)				
Cirsium lecontei (= Carduus lecontei)	Leconte's Thistle	W1	S2	G4G5
C: savannas (Beaufort, Bladen, Brunswick, Carteret*, Craven, Onslow, Pender*)				
Cladrastis kentukea (= Cladrastis lutea)	Yellowwood	W1	S3	G4
M: forests (Cherokee, Graham, Haywood, Macon*, Madison*, Swain)				
Clematis catesbyana (= C. ligusticifolia, misapplied)	Coastal Virgin's-bower	W1	S2	G4G5
C: dunes (Carteret, Currituck, Dare, New Hanover*, Onslow)				
Coelorachis rugosa (= Manisuris rugosa)	Wrinkled Jointgrass	W1	S2	G5
CS: limesink ponds, clay-based Carolina bays, wet savannas (Cumberland, Dare, Harnett, Hoke, Moore, New Hanover, Onslow*, Robeson, Scotland*)				
Collinsonia serotina (not in RAB)	Blue Ridge Horsebalm	W1	S1?	G3G5
P: mixed deciduous forests (Richmond, Rockingham, Stanly)				
Crataegus spathulata	Little-hip Hawthorn	W1	S1	G4G5
CPM: bottomlands (Bladen, Davidson, Macon)				

Cuscuta cephalanthi (= C. cephalanthii)	Buttonbush Dodder	W1	S1	G5
MP: on woody hosts (Buncombe, Orange)				
Cuscuta coryli (= C. corylii)	Hazel Dodder	W1	S1?	G5
CP: on woody or herbaceous hosts (Bladen, Brunswick, Dare, New Hanover, Onslow, Polk)				
Cymophyllus fraseriana (= Cymophyllus fraseri)	Fraser's Sedge	W1	S3	G4
M: forests (Alleghany, Ashe*, Avery*, Caldwell, Clay, Graham, Haywood, Jackson, Macon, McDowell, Mitchell, Swain*, Watauga, Wilkes, Yancey*)				
Cynanchum angustifolium (= C. palustre)	Hammock Swallow-wort	W1	S2	G5
C: salt marshes, hammocks (Brunswick*, Carteret, Dare, New Hanover, Onslow, Pender)				
Cyperus distans	A Flatsedge	W1	S1	G?
C: marshes (New Hanover)				
Cyperus squarrosus (= C. aristatus)	Awned Flatsedge	W1	S2	G?
P: granite flatrocks, other rock outcrops (Durham, Franklin, Rowan)				
Cyperus (also see Kyllinga)				
Cystopteris bulbifera	Bulblet Bladder Fern	W1	S1S2	G5
M: calcareous rocks (Avery*, Buncombe*, Madison*, McDowell*, Swain, Transylvania*)				
Dalea pinnata (= Petalostemum pinnatum)	Eastern Prairie-clover	W1	S2?	G5
SC: sandhills and dryish pinelands (Bladen, Cumberland, Harnett, Hoke, Lenoir, Moore, Pender, Richmond, Robeson, Sampson, Scotland*, Wayne)				
Desmodium pauciflorum	Few-flower Tick-trefoil	W1	S2?	G5
PC: open woodlands (Anson, Cabarrus, Caswell, Chowan, Craven, Hertford, Iredell, Jones, Mecklenburg, Northampton, Pitt, Rockingham, Warren)				
Diamorpha smallii (= Sedum smallii)	Elf Orpine	W1	S3	G3G4
PM: granite flatrocks (Alexander, Anson*, Forsyth, Franklin*, Gaston*, Henderson, Iredell, Nash, Rowan, Rutherford, Wake*, Yadkin)				
Dichanthelium boreale (= Panicum bicknellii)	Northern Witch Grass	W1	S1S2	G5
P: open woods (Chatham, Durham, Franklin, Person, Wake, Wilkes)				
Dichanthelium latifolium (= Panicum latifolium)	Broadleaf Witch Grass	W1	S2	G5
M: forests (Ashe*, Avery, Caldwell, Haywood, Henderson, Jackson, Macon, Swain, Watauga)				
Dichanthelium spretum (= Panicum spretum)	Eaton's Witch Grass	W1	S1S2	G5
CPM: wet sites (Alleghany, Burke, Craven*, Dare, Durham, Forsyth, Onslow*, Randolph, Robeson, Stanly)				
Dioscorea hirticaulis (= D. villosa var. hirticaulis)	Hairy Yam	W2	S2?	G2G3Q
SC: moist forests (Gates, Halifax, Hoke, Martin, Nash, New Hanover, Pender, Richmond, Scotland, Wake, Washington)				
Diplazium pycnocarpon (= Athyrium pycnocarpon)	Glade Fern	W1	S2	G5
MPC: rich woods, usually over seepage (Avery, Buncombe*, Durham, Haywood, Hertford*, Macon, Madison, Polk, Swain)				
Dirca palustris	Leatherwood	W1	S2	G4
PM: rich woods, either alluvial or over mafic or calcareous rocks (Anson, Ashe*, Chatham, Clay, Cleveland, Durham*, Jackson*, Lee, Madison, Mecklenburg, Polk, Randolph, Rockingham, Rutherford, Wake*)				
Dryopteris carthusiana (= Dryopteris spinulosa)	Spinulose Woodfern	W1	S2	G5
MCP: swampy woods (Cabarrus, Camden, Chowan, Gates*, Haywood, Jackson, Macon, Mecklenburg, Mitchell?, Perquimans*, Yancey?)				
Dryopteris cristata	Crested Woodfern	W1	S3	G5
MCP: bogs, wet woods (Alamance, Ashe*, Avery*, Camden, Durham, Gates, Guilford*, Haywood, Henderson, Madison, Mecklenburg, Mitchell, Orange, Wake, Watauga*, Yancey*)				
Dryopteris goldiana	Goldie's Woodfern	W1	S1S2	G4
MCP: moist woods (Ashe, Buncombe, Haywood, Macon, Mitchell, Orange)				
Dryopteris ludoviciana	Southern Woodfern	W1	S1S2	G5

C: acid swamps (Brunswick, Carteret, Chowan*, Columbus, Craven, New Hanover, Pender*, Washington*)

Echinacea pallida	Pale Coneflower	W4	SE?	G4G5
PSM: roadsides (Gaston, Granville, McDowell, Mecklenburg, Richmond)				
Elatine americana (= E. triandra in RAB)	American Waterwort	W4	SA	G5?
M: lakes (Jackson)				
Elatine minima (not in RAB)	Small Waterwort	W4	SA	G5
P: lakes (Granville*)				
Eleocharis atropurpurea (not in RAB)	Purple Spikerush	W1	S1	G4G5
C: clay-based Carolina bays (Scotland)				
Eleocharis engelmannii	Engelmann's Spikerush	W1	S1	G5
PCM: marshes (Alexander, Henderson, Northampton, Rowan, Stanly)				
Eleocharis erythropoda	Bald Spikerush	W1	S1	G5
MC: stream banks and marshes (Ashe, Carteret, Madison)				
Eleocharis parvula	Little-spike Spikerush	W1	S1?	G5
C: brackish and fresh marshes (Brunswick, Craven, Dare, Mecklenburg, New Hanover, Tyrrell)				
Eleocharis smallii (not in RAB)	Small's Spikerush	W3	S1	G5?
M: open wet places (Macon)				
Eleocharis tricostata	Three-angle Spikerush	W1	S1?	G3G4
CP: bogs and savannas (Bladen, Brunswick, Carteret, Dare, Northampton, Onslow*, Scotland*, Stanly)				
Eleocharis vivipara	Viviparous Spikerush	W1	S1?	G5
C: bogs and pools (Brunswick, Cumberland, Dare, Hyde, Johnston, Onslow*, Pender, Wayne)				
Elodea canadensis	Canada Elodea	W1	S1?	G5
CPM: streams (Craven, McDowell, Orange, Perquimans, Wake, Watauga)				
Elodea nuttallii	Nuttall's Elodea	W1	S2?	G5
CPM: lakes, ponds, and streams (Avery, Currituck, Dare, Franklin, Haywood, Jones, McDowell, Perquimans, Tyrrell, Wake, Wilson, Yancey)				
Elymus canadensis	Nodding Wild Rye	W1	S1	G5
M: rich woods (Buncombe, Swain)				
Elymus riparius	Riverbank Wild Rye	W1	S1S2	G5
MP: riverbanks and low rich woods (Ashe, Avery, Caldwell, Macon, Madison, Orange?, Watauga)				
Epidendrum conopseum	Green Fly Orchid	W1	S2	G3G4
C: epiphytic on trees in blackwater river swamps (Brunswick*, Columbus*, Pender*)				
Epilobium angustifolium	Purple Willowherb	W1	S1	G5
M: meadows and disturbed sites at high elevations (Avery, Watauga, Yancey)				
Equisetum X ferrissii	Ferriss's Scouring Rush	W3	SR	G?
?				
Eragrostis frankii	Frank's Lovegrass	W1	S1	G5
P: open disturbed sites (Granville)				
Eragrostis lugens	Mourning Lovegrass	W1	S1	G5
P: open wet areas (Mecklenburg)				
Erigenia bulbosa	Harbinger-of-Spring	W3	SR	G5
MP?: rich woods				
Eriophorum virginicum	Tawny Cottongrass	W1	S3	G5
MSCP: peaty sites (bogs, fens, pocosins, seeps) (Alleghany*, Ashe*, Bladen, Burke, Carteret*, Cumberland*, Currituck, Edgecombe, Forsyth, Henderson, Hoke*, Jackson, Macon, Moore, Scotland, Transylvania, Tyrrell, Watauga*, Yancey)				
Erythronium americanum ssp. americanum (= E. a. pro parte)	American Trout Lily	W1	S1	G5T5
P: rich slopes (Durham*)				

Euonymus (see Evonymus)

Eupatorium altissimum	Tall Thoroughwort	W1	S1S2	G5
P: woods and openings over mafic rocks (Davidson, Forsyth, Granville, Mecklenburg, Orange, Randolph, Rowan, Stanly, Union, Wake)				
Eupatorium steelei (not in RAB)	Appalachian Joe-Pye-Weed	W1	S2?	G?
M: cove hardwood and northern hardwood forests (Ashe*, Avery, Haywood, Macon, Watauga*)				
Euphorbia (also see Chamaesyce)				
Eustachys petraea (= Chloris petraea)	Dune Fingergrass	W1	S2	G5
C: dunes and sand flats, especially swales (Bladen, Brunswick*, Carteret, Dare, New Hanover, Onslow, Pender)				
Euthamia graminifolia (= Solidago graminifolia)	Flattop Goldenrod	W4	S1	G5
M: sandy bottomlands (Buncombe)				
Evonymus atropurpurea (= Euonymus atropurpureus)	Eastern Wahoo	W1	S2	G5
PMC: rich forests (Caswell*, Cherokee, Guilford, Halifax*, Lee, Northampton, Orange, Polk, Rockingham, Rutherford, Stokes, Swain)				
Fimbristylis miliacea	Grass-like Fimbry	W1	S1	G5
PMSC: open wet places (Cabarrus, Harnett, Mecklenburg, Polk)				
Fragaria vesca	Woodland Strawberry	W4	S1	G5
M: rich forests (Watauga)				
Galium asprellum	Rough Bedstraw	W1	S2	G5
M: bogs (Alleghany, Ashe*, Avery, Haywood, Watauga*)				
Galium lanceolatum	Lanceleaf Wild Licorice	W1	S2	G5
M: rich cove forests (Buncombe, Clay, Madison, Mitchell, Watauga)				
Gaultheria hispidula	Creeping Snowberry	W3	SR	G5
M: habitat not known				
Gelsemium rankinii	Swamp Jessamine	W1	S2	G5
C: floodplains of blackwater rivers and streams (Brunswick*, Columbus*, Pender*)				
Gentiana austromontana (not in RAB)	Appalachian Gentian	W1	S2?	G?
M: high elevation forests and balds (Ashe, Avery*, Mitchell*, Stokes, Surry, Yancey)				
Gentiana autumnalis	Pinebarren Gentian	W5	S3	G3
CS: savannas, pinelands, sandhills (Beaufort, Bladen, Brunswick*, Carteret*, Columbus, Craven*, Cumberland*, Duplin, Gates, Harnett, Hoke*, Johnston, Jones*, Lee, Lenoir, Martin, Moore, Nash, New Hanover, Onslow*, Pamlico, Pender, Pitt*, Richmond, Robeson*, Sampson, Scotland, Wayne)				
Glandularia canadensis (= Verbena canadensis)	Rose Mock-vervain	W1	S1?	G5
CPS: sandhills and other dry woods (Alamance, Beaufort, Brunswick, Randolph, Richmond, Washington)				
Glyceria obtusa	Atlantic Mannagrass	W1	S2	G5
SC: bogs, seeps, other peaty places (Cumberland, Harnett, Hoke, Moore, Northampton, Richmond, Robeson, Wayne)				
Goodyera repens	Dwarf Rattlesnake Orchid	W1	S2S3	G5
M: moist acid forests, especially under rhododendrons and conifers (Ashe, Avery, Bunconbe, Burke, Graham, Haywood, Macon, Madison, Rutherford*, Swain, Watauga, Yancey)				
Gratiola aurea	Golden Hedge-hyssop	W1	S1	G5
C: drawdown zones of blackwater rivers (Columbus*, Pender, Sampson)				
Gratiola ramosa	Branched Hedge-hyssop	W1	S1	G4G5
CS: savannas, boggy places, other open wet sites (Bladen, Brunswick, Hoke)				
Habenaria repens	Water-spider Orchid	W1	S2	G5
CS: in stagnant blackwater pools (Bladen, Brunswick*, Carteret*, Dare, Duplin, New Hanover, Pender, Scotland)				
Habenaria (also see Platanthera)				
Helianthemum carolinianum	Carolina Sunrose	W1	S2?	G4
CS: sandhills, pinelands, dry savannas (Brunswick, Carteret*, Craven, Cumberland,				

Greene, New Hanover, Robeson, Wilson)

Helianthus floridanus	Florida Sunflower	W1		S1	G?
C: savannas and pocosins (Columbus)					
Helianthus glaucophyllus	Whiteleaf Sunflower	W1	3C	S3	G3
M: cove forests and other middle-elevation forests and openings (Avery*, Buncombe*, Caldwell, Haywood*, Henderson*, Jackson*, McDowell*, Mitchell, Polk*, Swain, Watauga*, Yancey*)					
Helianthus heterophyllus	Savanna Sunflower	W1		S2	G3G4
C: savannas and pocosins (Brunswick*, Carteret*, Columbus, Duplin, Onslow*, Pender, Robeson)					
Heliotropium curassavicum	Seaside Heliotrope	W1		S1	G5
C: shores and edges of marshes (Carteret, Hyde)					
Heteranthera reniformis	Kidneyleaf Mud-plantain	W1		S2?	G5
C: muddy shores, bars, and pools					
Heteropogon melanocarpus	Tanglehead	W4		S1	G4?
C: pinelands (New Hanover)					
Heterotheca (see Chrysopsis)					
Heuchera americana var. hispida (not in RAB)	Hispid Alumroot	W1		S1	G5T3?
P: rich, rocky woods (Surry)					
Heuchera caroliniana	Carolina Alumroot	W1		S2S3	G3?
P: rich, rocky woods (Alexander, Anson, Cabarrus, Davidson, Forsyth, Gaston, Iredell, Lincoln, Mecklenburg, Randolph, Rowan, Stanly, Stokes, Surry, Union)					
Heuchera longiflora (= H. longiflora var. aceroides)	Long-Flower Alumroot	W1		S3	G3
M: rich and rocky cove forests, especially over calcareous or mafic rocks (Buncombe*, Haywood*, Madison*)					
Heuchera parviflora	Grotto Alumroot	W1		S2S3	G4
MP: in deep shade under overhanging cliffs (Burke, Henderson, Jackson*, Macon, Polk, Rutherford*, Stokes*, Surry, Transylvania*)					
Heuchera pubescens	Downy Alumroot	W1		S1	G4?
P: rock outcrops (Stokes, Surry)					
Hibiscus coccineus (not in RAB)	Scarlet Hibiscus	W4		S1	G4?
CP: blackwater swamps and open, wet ground (Brunswick*, Hyde, Union)					
Hottonia inflata	Water Violet	W1		S2S3	G3G4
CP: pools in black- or brown-water swamps, interdune ponds (Bertie, Chatham, Currituck, Dare*, Edgecombe, Gates*, Halifax, Hertford, Johnston*, Lenoir, Martin*, Northampton, Perquimans)					
Houstonia longifolia var. compacta	Compact Bluet	W1		S2	G4G5T?
PM: woodlands, dry outcrops (Alexander, Caldwell, Iredell, Rowan)					
Houstonia longifolia var. glabra	Granite Dome Bluet	W2		S2	G4G5T2?
M: high elevation granitic domes, rarely other outcrops (Clay, Haywood, Jackson*, Macon, Transylvania)					
Houstonia purpurea var. calycosa (not in RAB)	Summer Bluet	W1		S1	G5T5
M: rocky forests, often dry (Buncombe, Haywood, Henderson, McDowell)					
Humulus lupulus var. lupuloides (not in RAB)	Hops	W4		S1	G5T?
C: habitat not known					
Humulus lupulus var. pubescens (not in RAB)	Hops	W4		S1	G5T?
P: bottomlands (Randolph, Rockingham, Stokes)					
Hybanthus concolor	Green Violet	W1		S2S3	G5
MP: rich woods and cove forests, primarily over mafic or calcareous rocks (Ashe, Durham, Lee, Madison, McDowell, Mecklenburg, Orange, Polk*, Randolph, Rockingham, Swain, Wilkes)					
Hydrangea cinerea (= Hydrangea arborescens ssp. discolor)	Ashy Hydrangea	W1		S1S2	G?
M: shady ledges and cliffs (Cherokee, Clay, Cleveland, Henderson, Jackson, Macon, Rutherford, Swain)					

Hydrocotyle americana	American Pennywort	W1		S2	G5
M: on cliffs in spray of waterfalls, also in bogs (Ashe, Henderson, Jackson, Macon*, Transylvania*, Watauga, Yancey)					
Hydrophyllum macrophyllum	Largeleaf Waterleaf	W1		S1S2	G5
M: rich woods, especially rocky calcareous forests and cliffs (Buncombe*, Haywood*, Madison*)					
Hymenocallis caroliniana (= H. occidentalis)	Carolina Spider-lily	W3		S1	G4
P: habitat not known (McDowell)					
Hymenophyllum sp. 1	Filmy-fern Gametophyte	W1		S1S2	G?
M: moist grottoes					
Hypericum buckleyi	Blue Ridge St. John's-wort	W1		S3	G3?
M: high elevation rocky summits, granitic domes, grassy balds (Haywood*, Jackson*, Macon*, Transylvania*)					
Hypericum fasciculatum	Peelbark St. John's-wort	W1		S1?	G5
C: beaver ponds, low pinelands, pools (Columbus, Onslow, Pender, Robeson)					
Hypericum graveolens	Mountain St. John's-wort	W1		S2S3	G3
M: high elevation balds, outcrops, seeps (Buncombe, Haywood, Jackson, McDowell, Mitchell, Swain, Transylvania, Yancey)					
Hypericum mitchellianum	Blue Ridge St. John's-wort	W1		S2S3	G3
M: high elevation balds, outcrops, seeps (Ashe, Avery, Buncombe, Haywood, Jackson, Mitchell, Swain, Watauga, Yancey)					
Hypericum nitidum	A St. John's-wort	W1		S1	G?
C: low pinelands, pools (Brunswick)					
Hypoxis juncea	Fringed Yellow Stargrass	W1		S1	G?
C: savannas (Onslow)					
Hypoxis rigida	Stiff Yellow Stargrass	W1		S1	G?
C: savannas (Columbus, Pender)					
Ilex ambigua (= I. ambigua var. ambigua)	Carolina Holly	W1		S2	G4G5
CS: sandy woods (Beaufort, Brunswick, Cumberland, Jones, Lenoir, Robeson, Scotland*, Wayne)					
Ilex cassine (= I. cassine var. cassine)	Dahoon	W1		S2	G5
C: blackwater swamps (Brunswick*, New Hanover*)					
Ilex longipes (= I. decidua var. longipes)	Georgia Holly	W1		S1	G5
P: upland forests (Gaston, Mecklenburg)					
Ipomoea macrorhiza	Manroot	W1		S1	G3G5
C: low marshy places, dunes (Brunswick)					
Ipomopsis rubra	Standing Cypress	W4		S1	G4G5
SC: sandy soils (Cumberland, Harnett, Richmond, Robeson, Scotland)					
Iresine rhizomatosa	Rootstock Bloodleaf	W1		S2?	G5
C: low wet places, interdune swales, damp woods (Brunswick*, Carteret, Dare*, New Hanover, Onslow, Pender, Sampson)					
Iris prismatica	Slender Blue Iris	W1		S2?	G4G5
CM: bogs and marshes (Beaufort, Dare, Franklin, Harnett, Henderson, Hertford, Johnston, Robeson, Warren)					
Juglans cinerea	Butternut	W5	C2	S2S3?	G5?
MP: cove forests, rich woods (Ashe, Avery, Buncombe, Burke, Clay, Henderson, Jackson, Macon, McDowell, Polk, Stanly, Stokes, Swain, Watauga)					
Juncus articulatus	Jointleaf Rush	W1		S1	G5
C: wet open ground (Dare)					
Juncus brachycarpus	Whiteroot Rush	W1		S2?	G4G5
PC: wet sandy soil (Chatham, Duplin, Durham, Granville, Hertford, Hyde, Iredell, Montgomery, Nash, Northampton, Orange, Stanly, Union, Wake)					
Juncus brevicaudatus	Mountain Rush	W1		S1?	G5
M: bogs and seeps at high elevations (Clay, Haywood, Jackson, Swain, Transylvania,					

Watauga, Yancey)

Juncus longii	Long's Rush	W1	S1	G3G5Q
CPM: wet clayey soil (Dare, Graham, Union, Wayne)				
Juncus secundus	Nodding Rush	W1	S1S2?	G5?
PM: rock outcrops (Alexander*, Alleghany, Caswell, Davie, Forsyth, Granville, Madison, Mitchell, Orange, Person, Rockingham, Wake)				
Juncus torreyi (not in RAB)	Torrey's Rush	W1	S1	G5
M: bogs (Clay)				
Juncus trigonocarpus	Red-pod Rush	W1	S3	G4G5
SCP: seepage bogs (Brunswick, Columbus, Cumberland*, Duplin, Harnett, Hoke*, Lee, Lincoln, Montgomery, Moore, New Hanover, Richmond, Scotland*)				
Juncus validus	Round-pod Rush	W1	S1S2?	G5
C: wet open ground (Beaufort, Carteret*, Dare, Duplin, Jones, New Hanover, Onslow*, Pender, Pitt)				
Krigia biflora	Two-flower Cynthia	W1	S2?	G5
MP: rich mesic woods (Ashe, Avery, Buncombe, Caldwell, Chatham, Clay, Graham, Haywood, Transylvania)				
Krigia montana	Mountain Cynthia	W1	S3	G3
M: cliffs, high elevation rocky summits, and grassy balds (Ashe*, Avery*, Buncombe, Haywood, Jackson, Macon, Mitchell, Rutherford, Transylvania, Yancey)				
Kyllinga odorata (= Cyperus sesquiflorus)	Fragrant Flatsedge	W1	S2	G?
C: savannas and marshes (Beaufort, Carteret, Cumberland, Martin, New Hanover, Onslow, Robeson, Warren, Wilson)				
Lachnocaulon minus	Brown Bogbutton	W1	S2	G3G4
CS: savannas, seeps (Bladen, Brunswick*, Columbus, Cumberland, New Hanover, Pender, Robeson, Scotland)				
Lathyrus japonicus var. maritimus (not in RAB)	Beach Pea	W3	SR	G5T4T5
C: beaches, shorelines (Dare)				
Lathyrus palustris	Marsh Peavine	W1	S2?	G5
C: bottomlands and streambanks (Beaufort, Chowan, Gates, Hertford, Martin, Washington)				
Lathyrus pusillus	Tiny Peavine	W1	S1	G5?
PC: wet, disturbed sites (Cabarrus, Franklin)				
Lathyrus venosus	Smooth Peavine	W1	S2	G5
PM: rich bottomlands and slopes (Durham, Granville, Haywood, Macon, Madison, Montgomery*, Moore, Orange, Wake, Watauga, Wilkes)				
Leersia lenticularis	Catchfly Cutgrass	W1	S1?	G5
C: low woods (Edgecombe, Jones, Lenoir, Northampton)				
Lemna gibba	Inflated Duckweed	W1	S1	G4G5
C: ponds and sloughs (Craven, Pasquotank)				
Liatris microcephala	Small-head Blazing-star	W1	S1	G?
M: rock outcrops, glades, dry woodlands (mostly over mafic rocks?) (Macon, Polk, Rutherford)				
Liatris scariosa	New England Blazing-star	W1	S2	G5?
MP: rock outcrops, glades, dry woodlands (mostly over mafic rocks?) (Cherokee, Clay, Henderson, Jackson, Macon, Swain, others?)				
Liatris secunda	A Blazing-star	W1	S1S2	G?
SC: sandhills (Anson, Brunswick, Richmond, Scotland, Wake)				
Liatris squarrosa var. hirsuta (not in RAB)	A Blazing-star	W3	SR	G5T?
?				
Lilium sp. 1 (not in RAB)	Blackwater Turk's-cap Lily	W1	S1	GU
C: blackwater swamps and marshes (Chowan*, Gates*, Nash)				
Lilium sp. 2 (not in RAB)	Sandhills Wood Lily	W2	S1	GU
S: seepage bogs (Cumberland*, Hoke*, Moore*)				

Lindernia monticola (including L. saxicola)	Flatrock Pimpernel	W1		S2	G3?
PM: seepages on granitic flatrocks and other rock outcrops (Alexander*, Cherokee, Forsyth, Franklin*, Gaston*, Nash, Rowan, Stokes, Wake, Yadkin)					
Lindernia saxicola	Riverbank Pimpernel	W2	3B	SH	G1Q
M: riverbank rock outcrops					
Ludwigia brevipes	Long Beach Seedbox	W1		S2?	G4G5
CS: low wet places (Craven, Cumberland, Currituck, Dare, Gates, Harnett, Hyde, Johnston, Robeson, Sampson)					
Ludwigia microcarpa	Tiny-fruited Seedbox	W1		S3	G3G4
CP: savannas, ditches, marshes, open wet sites over calcareous, mafic, or alkaline substrate (Carteret*, Columbus*, Dare*, Granville, Hyde*, Jones, Onslow*, Pender*, Person)					
Ludwigia ravenii (not in RAB)	Raven's Seedbox	W1		S2?	G2?
C: savannas, swamps, marshes, wet open places (Chowan, Craven, Duplin, Gates, New Hanover, Pamlico)					
Ludwigia sphaerocarpa	Globe-fruit Seedbox	W1		S1	G5
CS: bogs and pools (Craven, Dare, Hoke, Johnston, Washington)					
Lupinus villosus	Lady Lupine	W1		S2?	G5
C: sandhills and other dry, sandy woods (Bladen, Brunswick*, Columbus, Cumberland, Duplin, Pender*)					
Luziola fluitans (= Hydrochloa caroliniensis)	Southern Water Grass	W1		S1S2	G4G5
C: pools, lakes, streams (Brunswick, Hyde, Perquimans, Robeson, Scotland, Tyrrell, Wayne)					
Luzula multiflora	Heath Woodrush	W1		S2?	G5
MP: moist woods (Burke, Macon, Madison, Stokes)					
Lycopodium annotinum	Stiff Clubmoss	W3		SR	G5
M: habitat in North Carolina not known					
Lycopodium dendroideum (not in RAB)	Tree Ground-pine	W3		SR	G5
M: habitat in North Carolina not known					
Lycopodium hickeyi (not in RAB)	Pennsylvania Ground-pine	W1		S2?	G?
M: openings, balds, bog margins, and high elevation forests (Alleghany*, Burke, Macon, Mitchell*)					
Lycopus amplectens	Clasping Water-horehound	W1		S1	G5
CSM: wet places (Cumberland, Henderson, Hoke, Robeson)					
Lycopus angustifolius (= L. rubellus var. angustifolius)	Southern Bog Water-horehound	W1		S1	G?Q
C: bogs and marshes (Beaufort, Brunswick, Dare, Halifax)					
Lygodium palmatum	Climbing Fern	W1		S2	G4
MPSC: moist, wet, acidic places, open or forested (Ashe*, Buncombe, Chatham, Cumberland, Henderson, Madison, Macon, Mitchell, Sampson, Scotland, Stokes*, Transylvania, Watauga*)					
Lysimachia hybrida (= L. lanceolata var. hybrida)	Lowland Loosestrife	W1		S1	G5
MPC: bottomlands (Davie, Henderson, Pender, Rowan, Transylvania)					
Lysimachia loomisii	Carolina Loosestrife	W1		S3	G3
CS: pocosins and wet savannas (Beaufort, Brunswick, Carteret*, Columbus, Craven*, Duplin, Johnston, Jones*, Lenoir, Martin, New Hanover, Onslow*, Pamlico*, Pender, Robeson, Wayne)					
Lysimachia tonsa	Southern Loosestrife	W1		S2?	G3?
P: upland forests (Caswell, Durham, Mecklenburg, Orange, Polk, Rockingham, Surry, Wake)					
Lythrum alatum (= L. lanceolatum)	Wing-angle Loosestrife	W1		S1	G5
C: marshes and low, wet places (Brunswick, New Hanover, Pender)					
Magnolia grandiflora	Southern Magnolia	W1		S1	G5
C: mainland forests with maritime influence on the southeastern coast (Brunswick*, introduced elsewhere)					

Manfreda virginica (= Agave virginica)	Eastern Agave	W1		S2	G5
PMCS: granite flatrocks, mafic glades, dry outcrops, dry woodlands (Cabarrus, Cherokee, Clay, Cleveland, Cumberland, Granville*, Iredell, Mecklenburg, Montgomery, Orange, Randolph, Rowan, Stanly, Union)					
Manisuris (see Coelorachis)					
Matelea flavidula	Yellow Carolina Milkvine	W3		SR	G?
P: habitat not known (Person?)					
Matelea obliqua	Climbing Milkvine	W1		S1	G4?
M: dry, rocky woodlands over calcareous rocks (Buncombe, Madison)					
Mertensia virginica	Virginia Bluebells	W1		S1	G5
PCM: rich woods (Bertie*, Caswell*, Person, Rockingham, Watauga)					
Minuartia alabamensis (not in RAB)	Alabama Sandwort	W2	C2	S1	G2Q
P: granite flatrocks					
Monarda media (not in RAB)	Purple Bee-balm	W1		S1?	G?
M: grassy balds (Avery*)					
Muhlenbergia mexicana	Mexican Muhly	W1		S1	G5
M: forests and openings (Buncombe, Macon, Mitchell)					
Muhlenbergia sylvatica	Woodland Muhly	W1		S1S2	G5
PM: rich alluvial forests (Avery, Durham, Forsyth, Franklin, Gaston, Granville, Montgomery, Orange, Person, Swain)					
Myriophyllum pinnatum	Cutleaf Water-milfoil	W1		S2?	G5
CS: pools and ditches (Brunswick, Currituck, Dare, Hoke, New Hanover, Scotland, Tyrrell)					
Najas gracillima	Slender Waternymph	W1		S2	G5
CPM: pools and lakes (Avery, Buncombe, Chowan, Forsyth, Iredell, Jackson, Madison, McDowell, Orange, Randolph, Wake, Washington)					
Nelumbo lutea	American Lotus	W1		S2	G5
CS: ponds, slow streams, natural lakes, estuarine rivers (Anson, Bertie, Columbus, Craven*, Halifax, Johnston, Perquimans, Richmond, Robeson, Wilson)					
Nuphar sagittifolia (= N. luteum ssp. s.)	Narrowleaf Yellow Pondlily	W1		S3	G3
CS: blackwater streams, rivers, and lakes (Beaufort, Bladen*, Brunswick, Columbus*, Duplin, Harnett, Hoke, Jones, Moore, Nash, New Hanover*, Pender*, Pitt*, Richmond, Robeson*, Sampson, Scotland)					
Nymphoides cordata	Little Floatingheart	W1		S1	G5
S: blackwater streams and pools (Cumberland, Moore, Richmond, Scotland*)					
Oenothera austromontana (not in RAB)	Appalachian Evening Primrose	W1		S?	G?
M: openings at high elevations					
Panicum (see Dichanthelium, Phanopyrum)					
Parietaria floridana	Florida Pellitory	W1		SU	G?
C: shell middens, disturbed sites, maritime forests					
Parietaria pensylvanica	Pennsylvania Pellitory	W1		S2	G5
PMC: slopes and bottomlands, usually over calcareous or mafic rocks (Anson, Bertie, Buncombe, Harnett*, Madison*, Martin, Mitchell)					
Parietaria praetermissa (not in RAB)	Large-seed Pellitory	W1		SU	G?
C: shell middens, disturbed sites, maritime forests					
Paronychia montana	Mountain Nailwort	W1		S1?	G4
P: rocky slopes (Alexander*, Cherokee, Henderson, Transylvania)					
Paspalum dissectum	Mudbank Crown Grass	W1		S1	G3G4
CP: mudflats, other open wet areas (Brunswick, Mecklenburg, Pender)					
Paspalum fluitans	Horsetail Crown Grass	W1		S1	G4G5
CP: seepage areas in swamp forests (Bladen, Forsyth, Martin, Wake)					
Paspalum praecox	Early Crown Grass	W1		S2S3	G4
C: limesink ponds and savannas (Bertie, Bladen, Brunswick, Columbus, Craven*, Dare, Duplin, Jones*, Lee, Martin, New Hanover, Onslow*, Pamlico, Pender)					

Paspalum pubiflorum	Hairy-seed Crown Grass	W1	S1?	G5
MP: open areas (Haywood, Madison, Stokes, Yadkin)				
Paspalum vaginatum	Seashore Crown Grass	W1	S1S2	G5Q
CP: brackish marshes, low wet places (Beaufort, Brunswick, Carteret, Craven, Hyde, Iredell, Pamlico)				
Paxistima canbyi	Canby's Mountain-lover	W4	SE	G2G3
M: rock outcrops				
Pediomelum canescens (= Psoralea canescens)	Buckroot	W1	S1S2	G2G4
SC: sandhills (Bladen, Brunswick, Cumberland, Harnett*, Hoke*, Moore, Scotland)				
Penstemon smallii	Small's Beardtongue	W1	S3	G3G4
M: rock outcrops and thin forests (Avery, Buncombe, Burke, Caldwell, Graham, Haywood, Macon, Madison, Mitchell, Polk, Rutherford, Watauga)				
Persea borbonia (not including P. palustris)	Upland Red Bay	W1	S2	G5
C: sandy upland soils in maritime forests (Brunswick*, Carteret*, Onslow)				
Petalostemum (see Dalea)				
Phacelia maculata	Spotted Phacelia	W3	SR	G?
P: granite flatrocks and creek bottomlands (Cleveland)				
Phanopyrum gymnocarpum (= Panicum gymnocarpum)	Savanna Panic Grass	W1	S1?	G5
C: low woods (Bertie, Columbus, Lenoir, Pitt)				
Philadelphus hirsutus	Streambank Mock Orange	W1	S1S2	G5
MP: bluffs, cliffs, and rocky woods, mainly over mafic or calcareous rocks (Buncombe, Graham, Madison, Mitchell, Polk, Rutherford*)				
Philadelphus inodorus	Scentless Mock Orange	W1	S2	G4G5
MP: bluffs, cliffs, and rocky woods, mainly over mafic or calcareous rocks (Avery, Bladen, Buncombe, Burke, Cabarrus, Cherokee, Cleveland, Forsyth, Iredell, Madison, Orange, Randolph*, Rutherford*, Swain)				
Phlox amplifolia	Largeleaf Phlox	W1	S1S2	G3G5
M: hardwood forests (Buncombe, Graham, Haywood, Madison, Mitchell, Swain, Yancey)				
Phlox divaricata ssp. divaricata	Wild Blue Phlox	W1	S2	G5T?
M: rich deciduous forests (Henderson, Madison, Rutherford, Swain, Transylvania, Watauga)				
Phlox divaricata ssp. laphamii (not in RAB)	Wild Blue Phlox	W1	S1	G5T?
C: rich levee and slope forests (Halifax, Northampton)				
Physalis lanceolata	Sandhill Ground Cherry	W1	S2?	G3?
SC: sandhills (Cumberland, Harnett, Hoke, Lee, Montgomery, Moore, New Hanover, Richmond, Robeson, Sampson, Scotland, Wayne)				
Phytolacca americana var. rigida (not in RAB)	Maritime Pokeweed	W1	S2	G5T?
C: dunes, edges of brackish or salt marshes (Brunswick, Carteret, Dare, New Hanover, Onslow, Pender)				
Pinguicula lutea	Yellow Butterwort	W1	S2	G4G5
C: savannas (Brunswick*, Columbus, New Hanover, Pender)				
Pityopsis adenolepis (= Heterotheca adenolepis)	Carolina Silkgrass	W1	S1	G?
CS: sandhills (Cumberland, Harnett, Moore, Wake)				
Pleea tenuifolia	Rush-featherling	W1	S3	G4
C: pocosins, wet savannas (Bladen, Brunswick*, New Hanover, Onslow*, Pender*)				
Poa nemoralis (not in RAB)	Forest Bluegrass	W1	S1?	G5
M: sandy creek bottoms (Haywood)				
Polemonium reptans	Jacob's-ladder	W1	S1	G5?
PM: rich woods (Buncombe, Rockingham*, Stokes, Watauga)				
Polygala brevifolia	Little-leaf Milkwort	W1	S2?	G4G5
CS: savannas, seepages (Bladen, Brunswick, Carteret*, Columbus, Craven, New Hanover, Onslow*, Pender, Sampson)				
Polygala senega	Seneca Snakeroot	W1	S2S3	G4G5
MP: woodlands and in thin soil around outcrops, usually over mafic or calcareous				

rocks (Ashe*, Buncombe, Burke, Clay, Durham, Forsyth, Guilford, Henderson, Jackson, Orange, Madison, Mitchell, Randolph, Stanly, Surry, Swain, Wake, Watauga)

Polygonella americana (not in NC in RAB)	American Jointweed	W3	SR	G5
S: sandhills (Scotland)				
Polygonum amphibium (= P. coccineum)	Water Smartweed	W1	S1	G5
MPC: marshes (Avery, Halifax, Person)				
Polygonum erectum	Erect Knotweed	W1	S1S2	G5
MP: open places (Alamance, Avery, Cherokee, Clay, Jackson, Madison, Surry, Watauga, Yancey)				
Polygonum scandens var. cristatum	Climbing Buckwheat	W1	S2?	G5T?
PMC: moist forests, especially alluvial (Alexander, Burke, Granville, Haywood, Iredell, Macon, Onslow, Orange, Stokes, Wake, Wilkes)				
Polygonum tenue	Glade Knotweed	W1	S2?	G5
MP: glades and other thin soil over mafic rocks (Ashe, Buncombe, Durham, Forsyth, Granville*, Henderson, Macon, Mecklenburg, Mitchell, Orange, Rockingham, Stanly)				
Polymnia canadensis		W1	S2	G5
M: moist, rich forests (especially over calcareous rocks) (Madison, Mitchell, Surry, Yancey)				
Populus grandidentata	Bigtooth Aspen	W1	S2	G5
M: dry ridges and rocky woods (Alleghany, Ashe*, Haywood, Wilkes, Yancey)				
Prenanthes alba	White Rattlesnakeroot	W1	S1?	G5
M: hardwood forests (Avery, Mitchell, Transylvania)				
Prunus alabamensis (= P. serotina var. alabamensis)	Alabama Black Cherry	W1	S1	G?
C: sandy woodlands (Washington)				
Prunus allegheniensis (not in RAB)	Allegheny Sloe	W1	SH	G3
M: rocky forests (Ashe)				
Prunus nigra (=P. americana var. lanata)	Canada Plum	W1	S1	G4G5
MP: rich forests (Davie, Mecklenburg, Montgomery, Orange, Polk, Stanly)				
Prunus umbellata	Hog Plum	W1	S2	G4G5
PSC: rocky or sandy woodlands (Anson, Brunswick, Cabarrus, Cleveland, Robeson, Stanly, Union)				
Psilocarya (see Rhynchospora)				
Psoralea (see Orbexilum, Pediomelum)				
Ptelea trifoliata	Wafer-ash	W1	S2	G5
MPC: rich woods, cliffs and rock exposures, mainly over mafic or calcareous rocks (Alexander*, Ashe, Brunswick, Cumberland, Forsyth, Franklin, Granville, Jones*, Madison, New Hanover, Rutherford)				
Pycnanthemum setosum	Awned Mountain-mint	W1	S2	G3G5
C: pinelands (Bladen, Hertford, Hyde, Pasquotank, Perquimans, Robeson, Tyrrell)				
Pycnanthemum virginianum	Virginia Mountain-mint	W1	S1	G5
MP: forests (Ashe, Buncombe, Forsyth, Wake)				
Pyrola americana (= P. rotundifolia var. americana)	American Shinleaf	W1	S2	G5
MPC: forests (Ashe*, Bladen, Durham, Forsyth, Guilford*, Iredell, Mitchell, Orange, Rockingham, Wake, Warren)				
Quercus bicolor	Swamp White Oak	W1	S2	G5
P: upland swamp forests (Davie, Granville*, Guilford, Moore, Nash, Person, Wake, Wilson)				
Quercus imbricaria	Shingle Oak	W1	S2S3	G5
MP: floodplain forests (Anson, Buncombe*, Burke, Haywood, Jackson, Macon, Mecklenburg, Swain, Wilkes)				
Quercus muehlenbergii	Chinquapin Oak	W1	S2	G5
MP: calcareous forests and bluffs (Cabarrus, Caswell, Cherokee, Guilford, Jackson, Madison*, McDowell*, Montgomery, Person, Polk, Rockingham, Rutherford, Swain)				

Quercus palustris	Pin Oak	W1	S1?	G5
P: swamps (Caswell, Chatham, Davidson, Davie, Durham, Granville, Lee, Orange, Rowan)				
Ranunculus allegheniensis	Allegheny Mountain Buttercup	W1	S2	G4G5
M: rich cove forests (Alleghany, Ashe*, Avery*, Haywood, Mitchell, Watauga*)				
Ranunculus fascicularis	A Buttercup	W1	SR	G5
?				
Ranunculus laxicaulis (including R. subcordatus)	Swamp Buttercup	W1	S1	G5?
C: swamp forests, open wet areas (Bladen*, Columbus*, Halifax*, Northampton*)				
Ranunculus micranthus	Rock Buttercup	W1	S1	G5?
P: rich woods (Durham, Forsyth)				
Rhamnus caroliniana	Carolina Buckthorn	W1	S2?	G5
PMC: rich bottomlands and slopes (Beaufort, Buncombe, Burke, Cabarrus, Cleveland, Iredell, Lincoln, Madison, Mecklenburg, Polk, Rutherford, Union*)				
Rhynchospora elliottii (= R. schoenoides)	Elliott's Beakrush	W1	S2S3?	G5
CS: savannas (Beaufort, Bladen, Brunswick, Carteret, Columbus, Craven, Cumberland, Harnett, Johnston, Jones, Onslow*, Pamlico, Pitt, Robeson)				
Rhynchospora harveyi	Harvey's Beakrush	W1	S2?	G4
SCMP: seepage bogs, savannas, mountain bogs (Carteret, Cumberland, Forsyth, Hyde, Lee, Moore, Nash, Onslow*, Pamlico, Richmond, Transylvania, Wake, Wilson)				
Rhynchospora inundata	Narrowfruit Beakrush	W1	S3	G3G4
SC: limesink ponds, clay-based Carolina bays (Brunswick, Carteret*, Moore, Onslow*)				
Rhynchospora megalocarpa	Sandy-field Beakrush	W1	S2?	G5
CS: dry sandy sites (Bladen, Brunswick, Carteret, Cumberland, Moore, New Hanover, Pender, Robeson)				
Rhynchospora microcarpa	Southern Beakrush	W1	S1	G5
CP: swamp forests (Bladen, Dare, Hyde, Mecklenburg, New Hanover, Onslow*)				
Rhynchospora miliacea	Millet Beakrush	W1	S2?	G5
C: swamp forests, maritime swamp forests (Brunswick, Carteret, Dare*, Jones*, New Hanover, Onslow*, Pender*)				
Rhynchospora nitens (= Psilocarya nitens)	Shortbeak Baldsedge	W1	S2	G3
C: savannas, limesinks, other wet open places (Brunswick*, Carteret*, Columbus, Craven, Cumberland*, Hyde, Johnston, Onslow*, Pender)				
Rhynchospora pusilla (= R. intermixta)	Humble Beakrush	W1	S2	G?Q
CS: savannas, seepage bogs (Brunswick, Carteret, Columbus, Cumberland, Dare, Hoke, Onslow*, Pender, Robeson*)				
Rhynchospora wrightiana	Wright's Beakrush	W1	S2S3	G5
C: savannas (Brunswick, Carteret*, New Hanover, Onslow*, Wayne)				
Robinia hispida var. rosea (= R. boyntonii)	Boynton's Locust	W1	S1?	G5T3
MP: open woods (Alexander, Alleghany, Buncombe, Henderson, Macon, Stanly, Wilkes)				
Robinia viscosa var. viscosa (= R. viscosa)	Clammy Locust	W1	S3?	G3T3
MP: open woods (Buncombe, Burke, Haywood, Henderson, Jackson, Macon, McDowell, Moore, Yancey)				
Rudbeckia laciniata var. humilis (not in RAB)	A Coneflower	W1	S2?	G5T?
M: seeps and creekbanks at high elevations				
Rudbeckia triloba var. rupestris (not in RAB)	A Coneflower	W1	S2?	G4T?
M: forests at high elevations				
Rumex altissimus	Pale Dock	W1	S2?	G5
CPM: low wet places (Dare, Durham, Guilford, Iredell, Johnston, Madison, McDowell, Wake, Warren, Wilson)				
Sabatia campestris	Prairie Sabatia	W4	SH	G5?
M: forest edges (Haywood)				
Sabatia quadrangula	Four-angle Sabatia	W1	S2	G?
PCS: sandhills, low woods, pocosin edges (Bertie, Durham, Granville, Halifax, Johnston, Orange, Person, Randolph, Rowan, Scotland, Stanly, Wake, Wayne)				

Sagina procumbens (not in RAB) M: high elevation disturbed sites (Mitchell*)	Northern Pearlwort	W4		S1	G5
Sagittaria engelmanniana SCP: mostly blackwater streams and bogs (Carteret*, Craven, Cumberland*, Harnett, Hoke, Moore, Onslow*, Scotland)	Engelmann's Arrowhead	W1		S1?	G5?
Sagittaria platyphylla (= S. graminea var. platyphylla) P: marshes (Union)	Delta Arrowhead	W1		S1	G5Q
Sarracenia minor C: savannas (Bladen, Brunswick*, Columbus*, Cumberland, New Hanover)	Hooded Pitcher Plant	W1		S2	G4G5
Sarracenia rubra ssp. rubra CS: savannas, seepage bogs, pocosins (Anson, Bladen, Brunswick*, Carteret*, Columbus, Cumberland*, Duplin, Harnett, Hoke*, Johnston, Montgomery, Moore, New Hanover, Onslow, Pender, Richmond, Robeson, Sampson*, Scotland*, Wayne)	Sweet Pitcher Plant	W5		S3	G3T3
Satureja (see Calamintha)					
Saxifraga careyana M: seepy rockfaces (Ashe, Avery, Buncombe, Graham, Haywood, Henderson, Macon, Madison, Mitchell, Polk, Rutherford, Swain, Watauga, Yancey)	Carey's Saxifrage	W1	3C	S3	G3Q
Schoenolirion croceum S: wet pinelands (Richmond)	Sunnybell	W3		SR	G4
Scirpus divaricatus C: swamp forests (Columbus, Craven, Edgecombe, Jones, Martin, Nash, Pamlico, Pitt, Sampson, Wilson)	Spreading Bulrush	W1		S2?	G5
Scirpus koilolepis P: wet places (Anson, Chatham, Durham, Union)	Keeled Beakrush	W1		S1	G5
Sclerolepis uniflora C: clay-based Carolina bays, blackwater river floodplains (Brunswick, Columbus, Craven, Duplin, Harnett, Johnston, Jones, New Hanover, Northampton, Pender)	One-flower Hardscale	W1		S2?	G4
Scutellaria galericulata (not in RAB) M: habitat not known (Yancey)	A Skullcap	W3		SH	G5
Scutellaria ovata ssp. bracteata (not in RAB) CP: rich woods (Anson, Bladen, Burke, Chatham, Wilkes)	A Heartleaf Skullcap	W1		S1	G5T?
Scutellaria ovata ssp. ovata M: rich woods (Polk)	A Heartleaf Skullcap	W1		S1	G5T?
Scutellaria ovata ssp. rugosa (not in RAB) PM: rich woods (Haywood, Mitchell, Stanly, Yancey)	A Heartleaf Skullcap	W1		S1	G5T?
Scutellaria serrata PM: deciduous forests (Alamance, Alexander, Buncombe, Burke, Durham, Guilford, Lee, Macon, McDowell, Orange, Rockingham, Surry, Swain, Wake)	Showy Skullcap	W1		S2	G4G5
Sebastiania fruticosa C: swamp forests (Brunswick, Columbus, Pender, Robeson)	Sebastian-bush	W1		S1	G5
Sedum glaucophyllum (= S. nevii) PM: rock outcrops, mainly calcareous or mafic (Jackson, Macon, Montgomery*, Rockingham*, Surry, Wake)	Cliff Stonecrop	W1		S2	G3G4
Sedum (also see Diamorpha)					
Selaginella tortipila M: rock outcrops (Ashe, Avery, Burke, Caldwell, Jackson, Macon, Mitchell, Rutherford, Transylvania)	Twisted-hair Spikemoss	W1		S3	G3
Senecio glabellus C: blackwater swamps (Beaufort*, Bladen, Brunswick, Craven, Jones, New Hanover*, Onslow, Pamlico*, Pender*)	Butterweed	W1		S2S3	G5
Senecio obovatus M: wooded slopes, mostly over mafic rocks (Alexander*, Ashe, Burke, Clay, Graham, Madison, Polk, Rutherford, Swain)	Roundleaf Ragwort	W1		S1S2	G5
Senna hebecarpa (= Cassia hebecarpa)	Wild Senna	W1		S2S3	G5

PM: forests (Buncombe, Burke, Cabarrus, Cherokee, Davie, Durham, Guilford, Henderson, Iredell, Lincoln, Mecklenburg, Mitchell, Montgomery, Moore, Orange, Person, Polk, Randolph, Transylvania, Wake, Wilkes)

Senna marilandica (= Cassia marilandica)	Maryland Wild Senna	W1		S2S3	G5

PM: forests (Alexander, Burke, Cabarrus, Chatham, Cherokee, Clay, Durham, Forsyth, Gaston, Granville, Harnett, Iredell, Lee, Macon, Mecklenburg, Moore, Randolph, Wake)

Sesuvium maritimum	Slender Sea-purslane	W1		S1	G5

C: seabeaches, marshes (Brunswick, Dare, Hyde*)

Sesuvium portulacastrum	Shoreline Sea-purslane	W1		S1S2	G5?

C: seabeaches (Brunswick*, Carteret*, Hyde*)

Sida elliottii	Elliott's Fan-petal	W1		S1	G4G5

C: stream banks, sandy woodlands (Nash, Wake)

Sida inflexa (not in RAB)	Fernald's Fan-petal	W3	C2*	S?	GH

C: fall-line rock outcrop?

Sideroxylon lycioides (= Bumelia lycioides)	Buckthorn Bumelia	W1		S2?	G5

CP: maritime forests, bluffs or forests over calcareous or mafic rocks (Alexander, Anson, Beaufort, Bladen, Brunswick*, Cabarrus, Carteret, Columbus, Craven, Currituck, Dare, Johnston, Jones, New Hanover*, Onslow, Pender, Stanly, Tyrrell)

Silene caroliniana	Carolina Pink	W1		S1S2	G5

PSC: granite flatrocks and sandy woods (Anson, Cumberland, Dare, Franklin*, Lenoir, Pitt, Richmond, Stanly, Union, Wake)

Silphium asteriscus var. laevicaule (= S. dentatum)	Starry Rosinweed	W1		S2	G?T?

PM: forests (Alamance, Anson, Cabarrus, Chatham, Cleveland, Davidson, Gaston, Granville, Macon, Mecklenburg, Polk, Rowan, Union, Wake)

Silphium compositum var. reniforme	Kidneyleaf Rosinweed	W1		S2	G?T?

PM: forests and forest edges (Burke, Caldwell, Catawba, Davidson, Forsyth, Gaston, Polk, Rutherford)

Smilax hugeri	Huger's Carrionflower	W1		S1?	G4

MP: deciduous forests (Anson, Macon)

Solanum pseudogracile (= S. gracile)	Graceful Nightshade	W1		S1?	G?

C: dunes (Brunswick, Carteret, Onslow, Pender)

Solidago arguta var. arguta (= S. arguta [pro parte])	A Goldenrod	W1		S2?	G5TU

M: forests

Solidago curtisii var. pubens	A Goldenrod	W3		S1	G5T?

M: cove forests (Alleghany, Avery, Henderson, Watauga)

Solidago gracillima (not in NC in RAB)	Graceful Goldenrod	W1		S1S2	G?

C: savannas, boggy sites, peaty places (Cumberland*)

Solidago lancifolia (not in RAB)	Lance-leaf Goldenrod	W1		S?	G3?

M: moist forests, mostly over 5000 feet

Solidago latissimifolia (not in RAB)	Elliott's Goldenrod	W1		S2?	G?

M: forests

Solidago leavenworthii	Leavenworth's Goldenrod	W1		S1	G?

C: savannas, pocosin borders, peaty seeps (Cumberland, Robeson)

Solidago patula var. strictula		W1		S1	G5T5

SC: pocosins, peaty places (Brunswick, Harnett, Johnston, Richmond, Wake)

Solidago porteri (not in RAB)	Porter's Goldenrod	W3	C2*	SR	GHQ

M: granitic domes

Solidago puberula var. puberula	Downy Goldenrod	W1		S2	G5T?

MP: bogs and wet meadows (Alleghany, Avery, Burke, Cabarrus, Haywood, Henderson, Macon, Mitchell, Surry, Transylvania)

Solidago tortifolia	Twisted-leaf Goldenrod	W1		S1S2	G3G5

CS: dry savannas and sandhills (Bladen, Jones, New Hanover, Robeson, Scotland)

Solidago ulmifolia	Elm-leaf Goldenrod	W1	S1	G5
PM: wooded stream banks ((Burke, Chatham, McDowell, Montgomery, Wake)				
Spergularia marina	Saltmarsh Sandspurrey	W1	S1S2	G5
C: salt marshes and tidal flats (Brunswick, Carteret*, Currituck, Dare, Hyde, Pamlico)				
Sphenopholis intermedia	Prairie Wedgescale	W1	S2	G5T5
MPC: rich woods (Ashe, Cabarrus, Caldwell, Graham, Guilford, Haywood, Madison, Martin, Mitchell, Stokes)				
Spilanthes (see Acmella)				
Spiraea alba var. alba	Narrowleaf Meadowsweet	W1	S2?	G5T?
M: bogs (Alleghany, Ashe*, Avery*, Buncombe, Clay, Henderson, Jackson, Macon, Transylvania, Wilkes)				
Spiraea alba var. latifolia	Broadleaf Meadowsweet	W1	S2?	G5T5
M: bogs (Alleghany, Ashe*, Avery, Jackson, Macon, Surry, Transylvania)				
Spiraea betulifolia var. corymbosa (= S. betulifolia)	Shinyleaf Meadowsweet	W1	S1	G4G5T4
P: open woodlands, thin soil over rock (Alexander, Stokes, Surry)				
Spiranthes brevilabris var. floridana (= S.grac. var. f.)	Florida Ladies'-tresses	W1	S1	G?T?
C: moist sites (Beaufort, Pender)				
Spirodela polyrrhiza	Common Water-flaxseed	W1	S2?	G5
C: ponds, stagnant waters				
Sporobolus asper (not in RAB)	Rough Dropseed	W3	SR	G5
P: habitat not known (Durham)				
Sporobolus virginicus	Saltmarsh Dropseed	W1	S1	G5
C: brackish marshes (Brunswick)				
Stachys nuttallii	Heartleaf Hedge-nettle	W1	S1	G5?
MS: bogs				
Stachys tenuifolia var. tenuifolia (= S. tenuifolia)	Smooth Hedge-nettle	W1	S1	G5T4
C: swamp forests (Bertie*)				
Stenanthium robustum (not in RAB)	Bog Featherbells	W1	S1?	G?
M: bogs and wet meadows (Alleghany*, Ashe*)				
Stewartia ovata	Mountain Camellia	W1	S2	G4
MP: bluffs and forests, usually with rhododendron (Burke, Cherokee, Macon, Montgomery, Randolph, Stokes*, Surry, Swain, Transylvania, Wake)				
Streptopus roseus var. roseus (= S. roseus [pro parte])	Southern Twisted-stalk	W1	S1	G5T?
M: high elevation forests, mainly northern hardwoods and spruce-fir				
Stylisma patens ssp. angustifolia (= Bonamia p. var. a.)	Narrowleaf Dawnflower	W1	S1?	G5T?
CS: sandy pinelands (Bladen, Brunswick, Carteret*, Harnett, Scotland)				
Swertia (see Frasera)				
Thalictrum macrostylum	A Meadowrue	W1	S2?	G4?
CSPM: bogs and wet woods (Beaufort, Chowan, Guilford, Henderson, Hertford, Hyde, Jones, Macon, Mecklenburg, Polk, Richmond, Transylvania, Warren)				
Thermopsis villosa	Aaron's-rod	W1	S2?	G?
M: forests and openings (Avery, Cherokee, Clay, Haywood, Jackson, Macon, Madison, Surry, Swain, Transylvania)				
Thuja occidentalis	Amer. Arborvitae, Flat-cedar	W4	SE?	G5
M: calcareous rocks? (no known and documented native occurrences)				
Tilia americana var. americana (= T. americana)	American Basswood	W1	S1?	G5T?
MP: rich cove forests (Davidson, Swain, Wake, Watauga)				
Triadenum tubulosum (= Hypericum t.; not in NC in RAB)	A St. John's-wort	W3	SR	G3G5
C: wet sites, pools				
Trichomanes sp. 1 (not in RAB)	A Filmy Fern Gametophyte	W1	S1S2	G?
M: moist grottoes				
Trichostema setaceum	Narrowleaf Bluecurls	W1	S2	G5
SPC: dry woodlands, granite flatrocks (Alexander, Cleveland, Cumberland, Durham,				

Franklin, Gates, Granville, Henderson, Madison, Mecklenburg, Moore, Richmond, Rowan)

Trifolium reflexum — Buffalo Clover — W1 — S2? — G5

PMSC: open woods and clearings (Buncombe, Cabarrus, Caswell, Chatham, Cherokee*, Durham*, Granville, Halifax, Iredell, Johnston, Lee, Madison, Mecklenburg, Mitchell, Moore, New Hanover, Orange*, Polk, Randolph, Richmond, Rowan, Rutherford, Stokes, Wake*, Yadkin)

Trillium rugelii (= T. cernuum, sensu RAB) — Southern Nodding Trillium — W1 — S2? — G?

PM: rich woods and coves over mafic and calcareous rocks (Buncombe*, Davie, Guilford, Henderson, Mecklenburg, Mitchell, Polk)

Triosteum angustifolium — Narrowleaf Tinker's-weed — W1 — S2? — G5

P: thin woodlands over mafic rocks (Cabarrus, Durham, Granville, Guilford, Mecklenburg, Orange, Randolph)

Triosteum aurantiacum — Coffee Tinker's-weed — W1 — S2? — G5

M: rich cove forests over mafic rocks (Ashe, Clay, Graham, Haywood, Iredell, Jackson, McDowell, Mecklenburg, Mitchell, Swain, Watauga)

Triphora trianthophora — Three Birds Orchid — W1 — S2? — G4

MC: moist forests (Ashe, Buncombe, Burke, Carteret*, Clay, Dare, Forsyth, Haywood, Henderson, Jackson, Macon, Northampton, Polk, Rutherford, Swain, Transylvania, Yancey)

Typha domingensis — Southern Cattail — W1 — S2? — G4G5

C: marshes (Beaufort, Brunswick, Carteret, Dare, Hyde, Pamlico, Pender)

Uniola (see Chasmanthium)

Utricularia cornuta — Horned Bladderwort — W1 — S1 — G5

CM: bogs (Ashe*, Brunswick*, Hoke, New Hanover, Watauga*)

Utricularia macrorhiza (= U. vulgaris) — Greater Bladderwort — W1 — S1? — G5

C: pools and ponds (Chowan, Currituck, Hyde, Perquimans)

Vaccinium virgatum (= V. amoenum) — Small-flower Blueberry — W1 — S1 — G?

S: pocosins and blackwater swamps (Hoke*, Scotland*)

Valerianella umbilicata — Woodland Cornsalad — W1 — S1 — G3G5

PM: rich woods and disturbed sites (Forsyth, Randolph, Stokes, Swain)

Verbena scabra — Sandpaper Vervain — W1 — S2? — G5

C: marsh edges, shell middens (Bladen, Brunswick, Carteret, Chowan, Currituck, Hyde, New Hanover, Onslow, Pender)

Verbena stricta — Hoary Vervain — W1 — S1 — G5

C: disturbed sites (Onslow)

Verbesina helianthoides (not in RAB) — A Crownbeard — W3 — SR — G5

M: open woods and glades

Veronica anagallis-aquatica — Blue Water Speedwell — W1 — S1 — G5

M: bogs, streambanks, rivulets (Avery*, Madison, Mitchell)

Veronicastrum virginicum — Culver's-root — W1 — S2? — G5

MP: bogs, wet meadows, dry soils over mafic rocks (Alleghany, Ashe, Avery, Buncombe, Durham, Forsyth, Granville, Madison, Orange, Person, Yancey)

Vigna luteola — Wild Cowpea — W1 — S1? — G5

C: marsh edges, wet open areas (Brunswick, New Hanover)

Viola brittoniana — Northern Coastal Violet — W1 — S2? — G4G5

CSP: Moist slopes and low wet places (Brunswick, Chowan, Columbus, Cumberland, Currituck, Gates, Harnett, Hertford, Jones*, Montgomery, Moore, Northampton, Perquimans, Pitt, Richmond, Robeson, Wake, Washington)

Viola conspersa — American Dog Violet — W1 — S2? — G5

MP: rich cove forests, bottomlands, and seepage slopes (Alleghany, Alexander, Haywood, Iredell, Macon, McDowell, Mitchell, Rowan, Wilkes)

Viola villosa — Carolina Violet — W1 — S1? — G5

CSP: moist places, especially pocosin edges (Anson, Bladen, New Hanover, Onslow)

Viola walteri	Prostrate Blue Violet	W1	S1S2	G4G5
MP: rich cove forests and other rich forests (Alamance, Cleveland, Haywood, Jackson, Lee, Randolph, Transylvania)				
Vittaria sp. 1	Appalachian Gametophyte	W1	S2?	G?
MP: moist grottoes (Jackson*, Macon*, Stokes*, Transylvania*, others)				
Xerophyllum asphodeloides	Beargrass, Eastern Turkeybeard	W1	S2	G3
MP: dry ridges, heath balds, pine-oak heaths (Avery*, Burke*, Clay, Gaston, McDowell*, Mitchell, Stokes*, Transylvania, Yancey)				
Xyris baldwiniana	Baldwin's Yellow-eyed-grass	W1	S2	G5
CSP: bogs, savannas, and pocosins (Bladen, Brunswick, Carteret*, Columbus, Cumberland, Duplin, Harnett, Hoke, Iredell, Onslow*, Pender)				
Xyris difformis var. curtissii (= X. curtissii)	Curtiss's Yellow-eyed-grass	W1	S2?	G5T5
CSP: savannas, bogs, and other wet areas (Brunswick, Carteret, Chowan, Columbus, Iredell, Moore, Nash, Onslow*, Scotland, Wake, Wilson)				
Xyris laxifolia var. iridifolia (= X. iridifolia)	Iris-leaf Yellow-eyed-grass	W1	S2?	G3G5T?
CS: limesink ponds, pineland pools, marshes (Beaufort, Carteret, Columbus, Craven, Duplin, Harnett, Jones, Onslow, Robeson)				
Xyris smalliana	Small's Yellow-eyed-grass	W1	S1?	G5
CS: pineland pools, limesink ponds, shores (Brunswick, Carteret, Craven, New Hanover, Onslow*, Richmond)				
Yucca aloifolia	Aloe Yucca	W1	S2?	G5
C: dunes (Brunswick, Carteret)				
Yucca flaccida (= Y. filamentosa var. smalliana)	Weakleaf Yucca	W1	S1	G5
CSPM: open, dry woodlands (Cherokee, Jackson, Lee, Lenoir)				
Zannichellia palustris	Horned-pondweed	W1	S2?	G5
C: calcareous or brackish waters of pools and estuaries (Brunswick, Craven, Currituck, Dare, Hyde, Pamlico, Tyrrell)				
Zizania aquatica	Wild Rice	W1	S2	G5
C: freshwater marshes (Beaufort, Brunswick*, Carteret, Chowan, Craven, Dare*, Gates*, Jones*, New Hanover, Pender)				

MOSSES

Brothera leana	A Moss	W1	S2?	G3G4
MP: on logs in forests, thin soil around rock outcrops (Ashe*, Avery*, Burke, Haywood, Jackson, McDowell, Rutherford, Stokes*, Surry*, Watauga)				
Cryphaea ravenelii	A Moss	W1	S2?	G3?
PC: on bark of trees (Anson, Chatham, Durham, Halifax, Harnett, Hertford, Person)				
Fissidens appalachensis	Appalachian Pocket Moss	W1	S2S3	G2G3
M: submerged in rapids of moderate to high elevation mountain streams (Buncombe, Caldwell, Jackson, Macon, McDowell, Swain, Watauga)				
Fissidens exilis	Small Pocket Moss	W	S1S2	G2G4
P: streambanks (Cleveland*, Durham*, Gaston?)				
Neckera complanata	A Moss	W1	S1	G5
M: on calcareous rocks in humid gorges (Jackson)				
Polytrichum appalachianum (= Polytrichum xanthopilum)	Appalachian Haircap Moss	W1	S3	G3
MP: rocky summits, mostly at high elevations (Ashe*, Avery*, Buncombe, Burke, Haywood, Jackson*, Macon, Mitchell*, Stokes*, Transylvania, Watauga*, Yancey)				
Sphagnum macrophyllum var. floridanum	Florida Peatmoss	W1	S3	G3G4T3
CS: in blackwater streams, ditches (Beaufort, Bladen*, Brunswick, Carteret, Craven, Duplin, Sampson)				
Taxiphyllum cuspidifolium (= Isopterygium cuspidifolium)	A Moss	W1	S1	G2G4

M: on limestone in spray zones of waterfalls (Macon)

LIVERWORTS AND HORNWORTS

Aneura sharpii	A Liverwort	W1	S1	G?
M: in spray zones of waterfalls (Jackson, Swain)				
Anthoceros ascendens	A Hornwort	W1	SH	G?
CP: on soil (Bladen, Columbus, Durham, Jones)				
Barbilophozia attenuata (= Lophozia attenuata)	A Liverwort	W1	S2	G5
M: on rocks in spruce-fir forests (Avery, Buncombe, Haywood, Transylvania, Yancey)				
Calypogeia peruviana	A Liverwort	W1	S2S3	G5
MPC: moist rocks (Brunswick, Columbus, Onslow, Pender, Wilkes, other piedmont & mountain counties)				
Cephaloziella massalongi	A Liverwort	W1	S1	G2G3
M: high elevation rocky summits (Swain)				
Cololejeunea ornata	A Liverwort	W3	S1	G?
M: on limestone (Jackson)				
Diplophyllum andrewsii	A Liverwort	W1	S2	G?
M: on soil or rocks on banks (Buncombe, Burke, Graham, Jackson*, Macon, McDowell, Swain, Yancey)				
Diplophyllum obtusatum	A Liverwort	W1	S1	G?
M: on rock outcrops (Buncombe, Burke)				
Frullania oakesiana	A Liverwort	W1	S1S2	G?
M: on bark of conifers or deciduous trees at high elevations (Avery*, Jackson, Mitchell, Swain, Watauga, Yancey)				
Frullania plana	A Liverwort	W1	S2	G?
MP: on rock outcrops in gorges (Burke, Graham, Haywood*, Jackson, Macon, McDowell*, Polk, Stokes)				
Lophozia capitata	A Liverwort	W1	S1	G4?
CPM: in moist depressions in savannas or on clay-pans in the piedmont, rock outcrops (Durham, Jones, Onslow, Orange, Watauga*)				
Lophozia (see also Barbilophozia)				
Mannia californica	A Liverwort	W1	S1	G?
M: on calcareous rocks (Jackson, McDowell)				
Megaceros enigmaticus	A Liverwort	W1	S2S3	G2G3
M: on rocks in streams (Cherokee, Haywood, Graham, Swain)				
Metzgeria fruticulosa (= M. temperata)	A Liverwort	W1	S1S2	G?
M: on bark at high elevations (Haywood, Jackson, Macon, Mitchell, Swain, Yancey)				
Metzgeria pubescens	A Liverwort	W1	SH	G?
M: on bark of trees (Buncombe)				
Metzgeria uncigera	A Liverwort	W1	S1	G?
C: on bark in maritime forests (Brunswick*, Carteret, Hyde)				
Nardia lescurii	A Liverwort	W1	S3?	G3?
MPSC: on moist soil or rock in humid places (Alexander, Avery, Bladen, Buncombe, Gaston*, Graham*, Haywood, Henderson, Jackson, Macon, Richmond, Stokes, Surry, Transylvania)				
Plagiochasma wrightii	A Liverwort	W1	S1	G?
M: on calcareous rocks (McDowell)				
Plagiochila undata (ssp. undata)	A Liverwort	W1	S2	G4T4
CMP: on rocks or bark (Anson, Chatham, Columbus, Durham, Madison, McDowell, Orange, Polk, Stanly)				
Ptilidium pulcherrimum	A Liverwort	W1	S1	G5
MP: on bark of trees in moist forests (Ashe*, Avery, Gaston*, Haywood, Mitchell,				

Watauga)

Radula tenax	A Liverwort	W1	S2	G3G4

M: on moist rocks or bark in humid gorges and cove forests (Ashe, Buncombe, Burke, Caldwell, Jackson, Macon, Mitchell, Swain, Transylvania, Watauga, Yancey)

LICHENS

Cladina evansii	A Reindeer Lichen	W1	S2	G4G5

C: sandhills (primarily near the coast), usually associated with Quercus geminata (Bladen, Brunswick*, Carteret*, Craven, Pender*)

Lobaria scrobiculata	A Foliose Lichen	W1	S2?	G3G4

M: on bark of hardwoods at high elevations (primarily spruce-fir zone) (Haywood, Jackson, Macon, Mitchell, Swain, Yancey)

Ochrolechia yasudae	A Lichen	W1	S1?	G3G4

M: on bark or rock (Ashe, Buncombe, Macon)

Parmelia (see Punctelia)

Platismatia glauca	A Foliose Lichen	W1	S2	G5

M: on bark of spruce, fir, or hardwoods, in the spruce-fir zone (Avery, Haywood, Jackson, Swain, Yancey)

Porpidia cineroatra	A Crustose Lichen	W1	S1	G5?

M: high elevation rocky summits (Mitchell)

Porpidia macrocarpa	A Crustose Lichen	W1	S1?	G4

M: high elevation rocky summits (Mitchell)

Porpidia tuberculosa	A Crustose Lichen	W1	S1	G?

M: high elevation rocky summits (Mitchell)

Punctelia reddenda	A Foliose Lichen	W1	S2	G5

M: on bark of hardwoods at high elevations (generally spruce-fir zone) (Buncombe, Haywood, Jackson, Swain, Yancey)

REGIONALLY RARE SPECIES (WITHIN-STATE DISJUNCT) LIST

A list of North Carolina's rare plants is, of course, determined by the arbitrary, political boundaries of the state. Biological rarity, however, is determined by the natural boundaries of physiography, geology, soils, and climate. These and other physical, biological, and historic factors have determined the evolutionary history and phytogeography of plants currently occupying what is now called "North Carolina." Rarity in one part of the state, especially when disjunct from the region of greater abundance, can have as much biological significance as disjunction from another state. Disjunct populations nearly always have some level of genetic differentiation from populations in the main part of a species' range. If this genetic differentiation is great enough (and obvious enough), the disjunct population may be recognized as a separate species, subspecies, or variety. In many cases, however, the genetic differentiation is not great enough (or is not obvious enough with the relatively crude taxonomic tools which have been applied to most taxa) to have warranted the naming of a distinct taxon. Further study will likely show that many disjunct populations do warrant taxonomic status. Preservation of biodiversity requires not only preventing the extinction of species, but maintaining genetic diversity within the species. The long-term viability of a species is dependent on the genetic diversity represented within and between different populations of the species. Disjunct and peripheral populations are especially likely to contain genetic material rare or absent in the bulk of the species' populations.

Moreover, within-state disjunctions are likely to serve as indicators of regionally unique or unusual habitats. Attention to such species is especially important in county natural area inventories and regional planning.

The following list of Watch Category 6 plants is not exhaustive, but represents some of the most important and significant within-state disjunctions. An emphasis has been placed on species which are disjunct rather than peripheral -- that is, which have a demonstrable gap in their North Carolina ranges. Examples are Rhododendron catawbiense, which is rather common at high to medium elevations in the mountains, but occurs in small, disjunct populations in the lower Piedmont and upper Coastal Plain, and Pogonia ophioglossoides, a primarily Coastal Plain species, occurring in rare bogs in the mountains.

MOUNTAINS

Aristida purpurascens var. virgata (= A. virgata)
Bartonia virginica
Brasenia schreberi
Calopogon tuberosus
Cardamine bulbosa
Chamaedaphne calyculata (= Cassandra calyculata)
Cleistes divaricata
Clematis crispa
Coreopsis gladiata
Corydalis micrantha ssp. australis
Cuscuta corylii
Eriocaulon compressum

Eriocaulon decangulare
Eryngium integrifolium
Gaylussacia dumosa
Justicia americana
Kalmia carolina (= K. angustifolia var. caroliniana)
Lespedeza angustifolia
Orontium aquaticum
Platanthera cristata (= Habenaria cristata)
Pogonia ophioglossoides
Pycnanthemum flexuosum
Rhynchospora gracilenta
Sabatia brachiata
Sium suave
Smilax laurifolia
Toxicodendron vernix (= Rhus vernix)
Triadenum virginicum (= Hypericum virginicum)
Utricularia biflora (including U. gibba)
Utricularia subulata

PIEDMONT

Aconitum uncinatum (lower Piedmont only)
Actaea pachypoda
Aralia nudicaulis
Aralia racemosa
Asplenium montanum (lower Piedmont only)
Berchemia scandens
Campanulastrum americanum (= Campanula americanum)
Carex torta
Cornus alternifolia
Corydalis micrantha ssp. australis
Dicentra cucullaria
Dryopteris cristata
Dryopteris goldiana
Dryopteris intermedia
Eleocharis microcarpa
Eriocaulon compressum
Eryngium integrifolium
Hydrophyllum canadense
Hydrophyllum virginianum
Lachnocaulon anceps
Liatris scariosa
Lycopodium tristachyum
Magnolia virginiana
Myrica heterophylla
Paronychia argyrocoma
Phalaris arundinacea
Pieris floribunda
Pinus strobus (lower Piedmont only)
Platanthera flava var. flava (= Habenaria flava var. f.)
Pogonia ophioglossoides
Rhododendron catawbiense
Rhynchospora chalarocephala

Salix humilis
Sarracenia flava
Sarracenia purpurea
Saxifraga micranthidifolia
Scirpus americanus
Sium suave
Smilax laurifolia
Symplocarpus foetidus
Tsuga canadensis (lower Piedmont only)
Xyris baldwiniana
Xyris curtissii
Xyris jupicai

SANDHILLS

Comptonia peregrina
Drosera rotundifolia
Leiophyllum buxifolium
Pinguicula caerulea
Rhododendron catawbiense
Rhododendron minus

COASTAL PLAIN

Anemone quinquefolia
Aster cordifolius
Castilleja coccinea
Clematis ochroleuca
Clematis virginiana
Delphinium tricorne
Leiophyllum buxifolium
Magnolia tripetala
Pellaea atropurpurea
Platanthera lacera (= Habenaria lacera)
Stenanthium gramineum
Viola blanda

POTENTIAL NEW-TO-NORTH CAROLINA PLANTS

The following list is of species not currently known to occur in North Carolina, but which are considered to have some possibility of being found in North Carolina, based on their currently known range and habitat preferences. Most are species which occur in the adjacent states of South Carolina, Georgia, Tennessee, or Virginia, in habitats at least relatively similar to habitats known to exist in North Carolina. The purpose of this list is to foster understanding of the flora of North Carolina by challenging botanists to find new state records; this list should give field investigators an idea of some of the species that may be native components of North Carolina's flora. While some of these species may have relatively remote chances of being found in North Carolina, the likelihood of finding new state records is greatly increased by being aware of the possibilities and by species-directed searching. State records of native vascular plants are currently being found at the rate of about five per year. Our knowledge of North Carolina's flora is still quite imperfect, and many natural areas are being destroyed before they can be investigated; certainly a number of native species have been extirpated from North Carolina before they were ever documented as occurring in the state.

Following each species is the North Carolina province in which the species is considered most likely to be found. Where possible, a description of the typical habitat of the species in the vicinity of North Carolina is also given. Sometimes, the nearest known occurrence(s) to North Carolina are also listed, with the distance from North Carolina in number of counties in brackets. For instance [1] indicates that the species has been reported from a county immediately adjacent to North Carolina; [5] indicates that the species has been reported from a county 5 counties away from the North Carolina border. An average county width in and around North Carolina is about 25 miles, so [5] indicates an approximate distance from North Carolina of 100-125 miles. While distance from the state is an interesting piece of information, it is probably a poor indicator of probability of occurrence in North Carolina, since long distance disjunctions to the mountains (from the north) and to the coastal plain (from the south) are frequent. New records for the state found in 1989 included Calamagrostis cainii (nearest former record in county adjacent to NC), Amphicarpum floridanum (nearest former record 4 counties from NC), and Arabis hirsuta (nearest former record 6 counties from NC). In the coming years, some of the species on this list will almost certainly be added to the flora of North Carolina, and other additions will be species not listed here.

Agalinis auriculata (= Tomanthera auriculata) - P (mafic glades) - York County, SC [1]
Aletris obovata - C (savannas) - Beaufort Co. SC [4 counties]
Allium oxyphilum - PM (shale barrens, glades) - VA
Alnus rugosa - M - Nelson Co. VA
Amphianthus pusillus - P (pools on granitic flatrocks) - Lancaster Co. SC [1]
Aralia hispida - M (dry rocky woods) - VA
Aristida spiciformis - C (savannas) - Hampton Co. SC [5]
Asclepias cinerea - C (savannas) - Hampton & Jasper cos. SC [5]
Asclepias michauxii - C (savannas and pinelands) - Williamsburg & Florence cos, SC [2]
Asclepias obovata - C (sandy pinelands) - Charleston Co. SC [3]

Asclepias perennis - C (swamp forests) - Marion Co. SC [2]
Asplenium trichomanes ssp. quadrivalens - MP (calcareous outcrops) - VA
Asplenium X trudellii - PM (moist cliffs, acidic outcrops and bluffs) - Pittsylvania & Lee cos. VA [1]
Astragalus distortus - P (glades, dry shaly places) - Pittsylvania Co. VA [1]
Batis maritima - C (salt and brackish marshes) - Charleston Co. SC [3]
Berlandiera pumila - S (sandy woods and fields) - Chesterfield & Darlington cos. SC [1]
Bothriochloa saccharoides - M (dry openings) - TN
Bouteloua curtipendula - PM (calcareous or mafic glades) - Pulaski & Montgomery cos. VA [2]
Bromus kalmii - M - Augusta & Bath cos. VA [4]
Carex amplisquama
Carex brevior (C. molesta)- M (dry woods) - Wythe Co. VA [2]
Carex careyana - M (rich cove forests over calcareous or mafic rocks) - Montgomery Co. VA [3]
Carex conjuncta - MC (mesic woods) - Southampton & Russell cos. VA [1]
Carex vesicaria - M (bogs) - Grayson Co. VA [1]
Ceratiola ericoides - CS (sandhills) - Horry Co. SC [1]
Cheilanthes castanea - MP (dry, shaly outcrops) - Carroll, Pittsylvania, Pulaski, & Montgomery cos. VA [1]
Cheilanthes feei - M (calcareous outcrops) - Pulaski Co. VA [2]
Cirsium nuttallii - C
Clematis reticulata - C
Clematis spp.
Collinsia verna - M
Coreopsis rosea - C (drawdown zones of blackwater rivers, limesink ponds, clay-based Carolina bays) - Horry Co. SC [1]
Cornus canadensis - M (mountain forests) - Bath & Albemarle cos. VA [4]
Cornus rugosa - M - Giles & Craig cos. VA [3]
Cypripedium kentuckiense
Cystopteris fragilis - M (acidic cliffs) - Giles Co., VA [3]
Dasistoma macrophylla - P (glades) - York Co. SC [1]
Delphinium carolinianum - P (glades) - Lancaster Co. SC [1]
Desmodium floridanum - C
Diarrhena americana - M (rich woods) - TN, VA
Dioscorea floridana - C
Draba aprica - P (granite outcrops) - Lancaster Co. SC [1]
Dyschoriste humistrata - C
Dyschoriste oblongifolia - C
Elephantopus elatus - C
Ellisia nyctelea - P - Pittsylvania Co. VA [1]
Elytraria caroliniensis - C
Equisetum fluviatile - M (wet places, shallow water) - VA
Eriocaulon ravenelii - C
Eriogonum tomentosum - S (sandhills)
Eryngium aquaticum var. ravenelii - C
Eryngium yuccifolium var. synchaetum - C
Erythronium albidum - M (rich woods, basic soils) - VA
Floerkea proserpinacoides - P
Galactia elliottii - C
Galium boreale - M - Wythe & Scott cos. VA [2]
Galium concinnum - M - Giles Co. VA [3]
Gaura filipes - CS

Gleditsia aquatica - C (swamp forests)
Glyceria acutiflora - M (wet openings) - Wythe Co. VA [2]
Glyceria canadensis (sensu stricto, non RAB) - M (high elevation seeps) - VA
Glyceria grandis - MC - Floyd & James City cos. VA [2]
Habenaria quinqueseta - C
Heuchera alba - M - Highland Co. VA [5]
Houstonia canadensis - M - Wythe & Pulaski cos. VA [2]
Hudsonia ericoides - S (sandhills) - SC
Hydrolea corymbosa - C
Hypericum harperi - C (clay-based Carolina bays) - SC
Isoetes macrospora - M (shoals in cold streams) - TN
Kalmia hirsuta - C
Juncus caesariensis - SC (seepage bogs) - VA
Lechea maritima - C (dunes with Hudsonia tomentosa) - Chesapeake & Virginia Beach, VA [1]
Liatris tenuifolia - S (sandhills)
Linnaea borealis - M (high elevation forests) - TN [1]
Lithospermum caroliniense - C
Ludwigia spathulata - C (clay-based Carolina bays) - Lexington & Aiken cos., SC [4]
Magnolia pyramidata - P
Maianthemum stellatum (= Smilacina stellata) - M - Montgomery Co. VA; TN [3]
Micranthemum micranthemoides - C (tidal marshes) - VA
Nolina georgiana - S (sandhills) - SC
Ophioglossum engelmannii - MP (glades over calcareous or mafic rocks) - TN
Oryzopsis racemosa - M (dry woods) - Wythe Co. VA [2]
Paspalum plicatulum - C
Pellaea glabella - M - Wythe Co. VA [2]
Pilularia americana - PM (muddy wet places, granite outcrops, pond margins) - TN, SC
Pinus glabra - C
Pityopsis ruthii - M (riverside outcrops) - TN [1]
Plantago maritima - C (salt marshes) - VA
Platanthera leucophaea - M (bogs and wet meadows) - VA
Polygala nana - C (savannas) - SC
Polygonella gracilis - SC (sandhills)
Pyrola chlorantha - M
Pyrola secunda - M
Quercus durandii - C
Quercus georgiana - P (granitic outcrops) - SC
Quercus oglethorpensis - C
Ratibida pinnata - P (diabase glades) - York Co. SC [1]
Rhamnus lanceolata - M - Pulaski Co. VA [2]
Rhynchospora knieskernii - CS - NJ
Ribes americanum - M
Ribes echinellum - CP
Ruellia ciliosa - C
Sabatia brevifolia - C
Sagittaria rigida
Sagittaria spatulata
Salix spp.
Schizachne purpurascens - M - Highland Co. VA
Schizaea pusilla - CS (boggy sphagnous sites assoc. with white cedar) - NJ
Scirpus ancistrochaetus - M (Temporary ponds) - VA

Scleria baldwinii - C (clay-based Carolina bays) - Sumter, Berkeley, & Charleston cos., SC [3]
Scutellaria mellichampii - C
Sedum nevii (sensu stricto) - M (rock outcrops) - TN
Silphium dentatum var. gatesii
Smilax pumila - C (moist hardwood forests, swamps) - Horry Co. SC [1]
Sparganium androcladum - M (ponds and streams) - TN
Sparganium eurycarpum - M (ponds and streams) - VA
Spigelia marilandica - PM
Spiranthes lacera var. lacera - M (open areas) - TN, VA
Spiranthes lucida - M (calcareous seeps) - TN, VA
Sporobolus curtissii - C (savannas)
Sporobolus neglectus - M - Montgomery & Lee cos. VA
Stillingia aquatica - C (clay-based Carolina bays) - Allendale, Barnwell, & Hampton cos., SC [6]
Taenidia (Pseudotaenidia) montana - MP (dry shaly woods) - VA, WV
Thalictrum steeleanum - Patrick & Roanoke Co. VA [1]
Triadenum tubulosum - C
Trillium cernuum (sensu stricto, non RAB) - M (wet woods) - VA
Trillium decumbens - M (rich woods) - GA, TN
Trillium persistens - MP (acid woods under hemlock) - GA, SC
Trillium reliquum - PC (rich river bluffs) - Aiken Co. SC [5]
Vaccinium angustifolium - M - Wythe, Montgomery, & Pulaski cos. VA [2]
Vaccinium myrtilloides - M - Pulaski & Roanoke cos. VA
Vaccinium oxycoccos - M (bogs) - WV
Vaccinium sempervirens - SC (sphagnous seeps) - Lexington Co. SC [4]
Vernonia altissima
Vernonia angustifolia var. scaberrima -
Veronica scutellata - M - Grayson & Carroll cos. VA
Viburnum obovatum - C
Waldsteinia lobata - MP (rich woods, bluffs, streambanks, floodplains) - Oconee Co. SC [1]
Zanthoxylum americanum - PMC (rich woods, over calcareous or mafic rocks) - Berkeley Co. [3]

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